

Manufacturers Record

Exponent of America



\$6.50 per Year.
Single Copy, 20 Cents.

Baltimore, Md.

SEPTEMBER 13, 1928

Cut-Throat Competition and Price Cutting.

A number of the leading iron and steel people of the country in this week's issue discuss the evils of cut-throat competition and price cutting as a menace to the welfare of that industry. What is said in regard to iron and steel applies with equal force to many other business activities.

It is a well-established fact that during the last year or two price cutting, often carried on in an underhand manner, has developed to such an extent as to leave but little margin of profit to the producers without any corresponding benefit to the consumers. This period has well been called one of "profitless prosperity," and much of this profitless condition has been due to cut-throat competition, in direct contradistinction to the strong efforts made by Judge Gary during the panic conditions of 1907 to bring about friendly cooperation among the iron and steel people of our land.

The statements we are publishing today from some of the foremost men in the iron and steel industry apply with equal force to nearly all other lines of business. Price cutting is profitless to the producer and without real value to the consumer. It disorganizes business of all kinds, it lessens the prosperity of the individual and of the country, it results ultimately in reduced production and lessened employment.

The discussion in this issue has been called forth by an editorial in this paper on August 23 entitled "Friendly Cooperation and Price Maintenance Spell Prosperity—Cut-Throat Competition and Price Cutting Spell Poverty."

The subject is one of interest to business men in all lines of activity. The cotton and the lumber industries, for instance, have suffered just as has the iron and steel business from this cut-throat competition and the foolish cutting of prices.

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Manufacturers Record

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PUBLISHED EVERY THURSDAY BY THE

MANUFACTURERS RECORD PUBLISHING CO.

Office: Manufacturers Record Building, corner Commerce and Water Streets, Baltimore, Maryland

Printing Plant, 8th Floor, Candler Building, Market Place and Lombard Street, Baltimore, Maryland

RICHARD H. EDMONDS, President; FRANK GOULD, First Vice-President; VICTOR H. POWER, Second Vice-President;

I. S. FIELD, Secretary; J. ROBERT GOULD, Treasurer

BRANCH OFFICES:

CHICAGO, 11 South La Salle Street

CINCINNATI, 333 Dixie Terminal Building

NEW YORK, 901 Singer Building

SUBSCRIPTION RATES:

\$6.50 a year (in advance); six months, \$3.50; three months, \$2 to United States, Mexico, Cuba, Porto Rico, Hawaii and the Philippines. For Canada add postage \$2 a year. For other foreign countries add postage \$5.50 a year. Back numbers, if available and not over one month old, 20 cents each. From one month to six months old, 50 cents each; over six months old, \$1 each. In ordering change of address, give old as well as new address.

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Vol. XCIV No. 11 }
Weekly. }

BALTIMORE, SEPTEMBER 13, 1928.

{ Single Copies, 20 Cents.
{ \$6.50 a Year.

Iron and Steel Men Discuss Cut-throat Competition and Cut Prices Versus Co-operation and Maintenance of Prices.

IRON and steel men throughout the country have expressed very great interest in the editorial recently published in this paper reviewing the situation existing in that trade and in other trades, as it relates to aggressive, unfriendly competition and the cutting of prices to a point where there is little or no profit left. Prices of this kind are detrimental to producers and to consumers alike. They are injurious to every branch of trade, and surely the sensible business men of the country ought to come to a realization of the situation and find means to stop it.

The editorial was based on the efforts made in 1907 by Judge Gary to bring about friendly co-operation among the iron and steel people of the country, and on the recent address by O. H. Cheney, vice-president of the American Exchange Irving Trust Company of New York. Some of the letters received in reply to that editorial discuss in interesting fashion the situation as it now exists, and emphasize the need of a spirit of co-operation.

Geo. M. Verity, president of the American Rolling Mill Co., Middletown, Ohio, writes:

"I have read your article in the August 23 issue of the MANUFACTURERS RECORD, entitled 'Friendly Co-operation and Price Maintenance Spell Prosperity—Cut-throat Competition and Price Cutting Spell Poverty.'

"The subject you are bringing up for discussion is a very comprehensive one, and its problems are so deep seated that it can best be considered in its larger and broader aspects.

"Great changes have taken place since Judge Gary called a group of leaders in the steel industry together in 1907. Judge Gary did a fine and constructive thing in bringing about a period of more co-operative competition. It was absolutely essential at the time. Possibly no other individual could have done it. I, however, believe if Judge Gary were here he would tell you that that effort on his part was only the beginning of a program of legitimate stabilization which represented a temporary partial remedy for the ills of the steel industry, and not a permanent cure. Why not face the facts?

"Since 1907 we have seen the most remarkable development in efficiency and production and in quality of product ever witnessed in the whole history of industry. Perfectly marvelous progress has been made.

"This has brought about a new era in industry, in practical economics and in both finance and commerce. It has, in fact, reached into the very vitals of our whole national life and prosperity.

"The present order of things resultant from this new efficiency necessitates a continuance of mass production and mass distribution policies and the making of very conservative

prices on every commodity so produced. Prices to the consumer must always be low enough to stimulate further consumption, otherwise the whole structure will fall. In support of the more general prosperity brought about through this new situation, the buying power of the masses must also be maintained through payment of the highest possible wages and salaries.

"This most certainly cannot be done over any substantial period unless a fair profit to the producer can be added to present day mass production low costs. No one is entitled to a profit on extravagant or inefficient costs, but we have now reached a place where it is essential to our national prosperity that every efficient producer of a basic product, whether it be iron and steel, paper, farm products or what not, be supported by some sound and effective plan of procedure that will insure—only under wise and efficient management—a fair return on capital invested on labor and brains employed and the hazards involved.

"Every apparent legal obstruction should at least be removed. There was a time when under any plan of legal co-operation it might have been necessary to have governmental regulation of profits, but that is not now true. The day of injurious monopoly is over, and the stern laws of economics must now govern the sales policies of producers. Every commodity must be produced as inexpensively as science, ingenious and expensive equipment and efficient management can make it, and the price of every commodity to the consumer must be low enough to encourage further production, or the whole plan falls of its own weight.

"The whole situation has brought about the most delicate and intricate condition that the organized business of the nation has ever had to face. It is, therefore, easy to see that the whole industrial situation as described, backed by our American initiative, ingenuity, aggressiveness and thoroughness, makes it almost impossible to strike a safe balance between capacity for production and consumption in any given period.

"Through the sum of the efforts of all concerned in any given line of effort we are inevitably bound to have an excess of productive capacity. Having it, the urge and necessity to use it as far as it is humanly possible in each and every period of operation is ever present. As industry stands today, 'excess capacity' is not an alibi, it is both a stern reality and a necessity.

"Mr. Cheney, in his very timely and able discussion of the subject, says: 'But the laws of economics help those who help themselves. The present condition of the steel industry cannot be blamed on anybody but the steel men. They have it in their power to work themselves out of the difficulties into which they have placed themselves. They must have the co-operation of the steel consuming industries, but they cannot expect it until they have proved that they can use it constructively.'

"I do not feel I can agree with Mr. Cheney in this particular statement. Neither steel nor any other industry has the power to co-operatively work out any practical or helpful plan for the legal control of production and distribution and it is humanly impossible under our present capacity to pro-

duce and our existing legal restrictions, to secure maintenance of any satisfactory price structure by a sufficient majority of those engaged in any particular industry to make it effective.

"The very pressure of necessity for large production and to secure the greatest possible efficiency makes for overproduction in any given period, with no legal right to in any way attempt to control production and distribution so as to obviate the apparent necessity of constantly making or meeting lower prices.

"The legitimate prosperity of industry is certainly basic to the prosperity of the whole nation. As far as I am able to see, that legitimate prosperity cannot be permanently assured in the interest of both producer and consumer unless and until we can find and create some new sound, economic and legal way to reasonably control production and distribution.

"It is perfectly true that the automotive industry is just as dependent on the steel industry as steel is on the consumers of its products and each industry is constantly reminding its clients of that fact; however, under the same necessity for efficiency and mass production each producing or fabricating unit must buy as cheaply as it can and as a consequence, every large buyer uses every available influence, some proper and some improper, to reduce the cost of his raw materials, and as a result the same old cut-throat competitive method proceeds apace.

"There should always be some excess productive capacity available in every industry over and above the largest demand enjoyed over any substantial period, for the simple reason that in addition to a constant growth in the consumptive capacity of the nation, demand and consumption do not run evenly in every week of every month, in every month of every year, or in every year of each five year period.

"Facilities are needed to meet both a growing demand and the peak loads of every period.

"For all of these reasons the need for some practical legitimate means of friendly co-operation in control of production and distribution seems imperative."

President Irving T. Hartz of the Morden Frog & Crossing Works, Chicago, wrote:

"Mr. O. H. Cheney's remarks of August 9 as published in the MANUFACTURERS RECORD are very pertinent to all manufacturers, as in almost every kind of industry there is 25 per cent to 60 per cent excess capacity, and many manufacturers are too anxious for volume regardless of cost or profit, with the result of lowering the price for all, and they will sell delivered 1000 to 2000 miles from plant at the same price as sold to a purchaser 50 miles from plant. The result is that their manufacturing competitor located at or near the buyer, distant 2000 miles, will retaliate by quoting a delivered price in his territory in like manner, with the result that the buyer is the only one that benefits. No more business is produced; the effect is simply to get the selling price of the respective commodities below cost of both manufacturers, which in the end requires reduction to labor and no dividends to stockholders.

"The Golden Rule should be followed by all, both manufacturers and buyers, 'Live and let live.'"

Severn P. Ker, president of the Sharon Steel Hoop Company, Sharon, Pa., writing in regard to the editorial, which he says he has read with great interest, adds:

"I heard the admirable address of Mr. Cheney from which you quote. Your editorial is an exceedingly good one and generally is an accurate portrayal of the situation existing. The remedy is in close co-operation, intimate acquaintance and such conduct on the part of individual manufacturers as to inspire confidence in their competitors. If competition should so be regarded as to maintain a fair and reasonable price which would return an adequate profit on invested capital, give due regard to the hazards of business and the application and effort required in its administration, the management responsible for the administration of the great iron and steel industry would serve the public good as well. No great basic industry can continue for any long period on a basis that is making an inadequate return on its invested capital without doing a definite hurt to society and to the State."

E. T. Weir, president of the Weirton Steel Company, Weirton, W. Va., emphasizes the need of business interests making earnings sufficiently large to take care of the extension to plants which is from time to time necessary. In his letter he writes:

"I very carefully read the editorial relative to the cut-

throat competition existing in the steel industry. As a steel manufacturer, I want to thank you for your interest in this matter. I do believe that unless the policy is changed and better earnings are allowed the industry, it will ultimately have a serious effect on business generally, because after all, steel is a basic necessity, the individual consumption of which is growing every year.

"If the industry is not able to make enough money to finance its future development and pay its investors a decent return, which it is not doing now, the day is not very far off when requirements will run ahead of production and business generally will suffer.

"I think the question of better conditions in the industry is of necessity being agitated and editorials such as yours help toward a wider consideration of the situation."

H. M. Boylston, metallurgical engineer, of Cleveland, Ohio, discussing the same editorial says:

"Your editorial on 'Friendly Co-operation and Price Maintenance Spell Prosperity' in your issue of August 23, seems to me timely and apropos. All of us realize that we cannot 'eat our cake and have it, too' but where profits are concerned, the issue is not always so clear. The situation reminds me of the small dealer who purchased an article for \$23 per dozen and sold them for \$2 each. He found he was losing money so he cut his price to \$1.75 each with the hope of increasing his volume of business to the extent that a profit would show. There is another point to this question also. When profits are diminishing, there is a tendency to cut costs and this usually suggests a cut in wages. The recent prosperity of the country has been built partly on the doctrine of high wages to meet increased costs of living and anything that might happen which would tend to disturb this doctrine would start a chain of events that would be regretted by all concerned."

Frank J. Lanahan, president of the Fort Pitt Malleable Iron Company, of Pittsburgh, writes:

"So much has been said that is able and convincing on the subject, and so clearly is the evil depicted, that what I might say has been better expressed by more experienced manufacturers.

"It has always been my thought that unwise price cutting, frequently induced by unethical buying, has done the maximum of harm to communities at the minimum of benefit to a single purchaser, for it ultimately leads in time, if not corrected, to the ruin of the manufacturer. This affects not alone all the employees, but the entire district in which the plant is located, and occasions a disturbance of economic conditions with merchants, tradespeople generally, doctors and property owners, far reaching in its sway. Infinitesimally small is the compensation that the purchasing agent gains for such widespread havoc. Serious thought and intelligent consideration will prompt a spirit of fairness between buyer and seller which ultimately cannot help but be mutually profitable."

The district sales manager of one of the leading steel concerns of the country, who does not want his name quoted, illustrates the point of trying to do business without any profit and touches on the matter as follows:

"I wonder if you have ever heard the Victor record of the two Black Crows, one of whom purchased a pig in March for \$2.50 and sold it in November for \$2.40—the other Black Crow said: 'You can't make anything out of that,' and the reply was, 'We have found that out.' There is a good editorial in this comic record."

Another steel man of great prominence in the industry who likewise prefers that his name shall not be given, writes very interestingly on the subject, stating that he fully appreciated the friendly co-operation in the steel industry so long and faithfully advocated by Judge Gary, and says:

"I am in position to know how earnestly he desired to put business on a higher plane, and the little sapling of co-operation which he planted many years ago, has reached the early fruit-bearing age, as there is abundant evidence during this good year 1928 of the attitude of accord between manufacturers of steel. He was permitted to watch the slow growth of his seedling for many years towards maturity, and never had any doubt of the outcome. Mr. Cheney's admirable address will fall on fertile soil and help greatly toward the age of reason in the steel industry, and the full fruitage so earnestly desired by Judge Gary."

The American-Swedo Iron Company of Philadelphia, writing on the same subject, takes issue with the, present tariff,

though in that respect we cannot at all agree with its views. However, as the company requests that the letter be published we give it as follows:

"The panic of 1907 was brought about, as is known, by over-extension, over-production and over-speculation. Due to the present currency bill which was passed in Mr. Wilson's administration, we have now a banking system which permits expansion of currency to meet extraordinary demands and to a certain degree panics, as previously existed, are hardly possible.

"Over-production undoubtedly creates price cutting and a tariff, improperly framed, where certain basic industries are overprotected, undoubtedly creates this cutting in price which under our present laws should not be regulated by combinations. The Fordney Bill was illogical and badly framed and was largely based on individual selfishness for protection and a high tariff was created on certain specific articles for the aggrandizement of the few. This country wants the tariff question taken out of politics and a bill passed after careful investigation of conditions. A bill of this kind can only be formed by a non-partisan tariff commission with powers to act."

Paul J. Kruesi, president of the Southern Ferro Alloys Company, of Chattanooga, Tenn., writes:

"I have read with much pleasure the address made by Mr. Cheney, of the American Exchange Irving Trust Company. He certainly has not minced words in discussing a very real evil, and besides applauding his sentiments, we wish to compliment you on giving additional circulation to them.

"To be most truly effective, may we add the suggestion that great good might be accomplished by the circulation of Mr. Cheney's remarks among the purchasing agents of the industry. Your letters, with reprints, were presumably addressed to the presidents of concerns in the steel industry. Most of them will sympathize with the Cheney principles, some little suspecting that their own purchasing departments, in their zeal to show economies in buying, are guilty of the evils pointed out by Mr. Cheney."

From the president of one of the great iron consuming concerns of the country we have an extremely interesting discussion of this whole subject, but, unfortunately, like a good many others, he prefers that his name should not be published. In the course of his letter he wrote:

"I am in entire and hearty accord with the principles that you set forth in your article and in your letter. I feel that there is no more reason why competitors in business should not have entire confidence in each other and air their troubles to each other, than any other set of men, such as lawyers, politicians, doctors, teachers, etc. Certainly there is just as much a community of interest in the problems in trade as there is in the problems of a profession, yet, unfortunately, trade has been singled out by the Sherman Law as the one avenue of human effort in this country where such endeavors to promote and foster confidence and a community of interest are viewed with suspicion. As you know, the aftermath of the Gary dinners was the suit of the Government against the United States Steel Corporation started in 1911. No man likes to be accused of violating the laws of his country, no matter how much he may be opposed to such laws.

"The experience detailed in the article on the Gary dinners I believe is typical. I have always found that if I could establish a friendly relation with my competitor, I learned that his problems were the same as mine, and found there was a bond of interest between us in our very problems. It is only when we do not know each other in the trade that we, figuratively speaking, go out for the other man's scalp. But all meetings of these competitors are always viewed with suspicion. Buyers can sit down around the table with nothing said, but let the same sellers sit down around the table and there is immediately talk of collusion and so forth. This suspicion has been fostered by the Sherman Law, and I believe that American business today should seek to repeal that law if it be possible.

"Certainly when this country was in the emergency of war it was the statement amongst high officials at Washington that the various trades had to combine to serve the Government irrespective of the legality under that law. If this was necessary in a time of national emergency, why isn't it justified in a time of economic emergency?"

Chas. E. F. Clarke, chairman of the Eastern Rolling Mill Co., and of the Baltimore Tube Co., Inc., writing from his New York address at 40 Wall Street, says:

"I have read with extreme interest the article 'Friendly

Co-operation and Price Maintenance Spell Prosperity—Cut-Throat Competition and Price Cutting Spell Poverty' which appeared in the August 23 issue of your MANUFACTURERS RECORD and only wish it could be read by every producer as well as every buyer in the country. Generally speaking, we are suffering today from the lack of 'creating friendship and friendly co-operation in place of the bitter rivalry and cut-throat competition' brought to the attention of leading men in the iron and steel trade by Judge Gary back in 1907. This applies to practically every line of industry and is an outstanding menace to the future prosperity of our country. It has been said that 'Industry at large is suffering from profitless prosperity,' and no truer statement of fact could be made. The remedy lies in knowing for ourselves the character and principles of our competitors rather than accepting the statements of the buyer who, if present methods continue, will eventually 'kill the goose that lays the golden egg.'

"In expressing these views, I have at heart the best interest and welfare, not alone of the producers and buyers, but of that vast army of workers which it is our desire and duty to protect."

William Wallace Nichols, of the Allis-Chalmers Manufacturing Company, writing from New York, discusses this whole question in an extremely interesting way. Emphasizing the importance of following the Golden Rule, and pointing out that there must be a spirit of mutual interest and co-operation on the part of the buyer and the seller, he writes as follows:

"I acknowledge receipt of your communication on 'Friendly Co-operation and Price Maintenance.' It needs no argument to establish the truth of your declaration that such co-operation with its natural result, price maintenance, 'spells prosperity' and that its antithesis, cut-throat competition, with its inevitable price cutting, 'spells poverty.' Your historical review of the Gary dinners, which in view of the prevalent opinion of the day were bound to be misinterpreted, forms a fitting introduction to your presentation.

"I regret only that in criticising the practices specified you failed to point out the threat to public morals the pursuit of such practices always entails. In other words, 'the cut-throat buyer who by false statements seeks to get an unfair price * * * becomes in his so-called 'success' (?) a serious menace to public morals because of its tempting example.

"After all, is not the fault due to human weakness, an inability of perhaps a majority to withstand the temptation to accept offers of purchasing agents at 'bargain prices' materially below quotations? This in itself constitutes a grave offense, a contributor to delinquency because the 'fortunate' (?) one, who secures the order, ultimately realizes his moral obliquity in an act opposed to the best interests of his industry and seeks to hide it to the demoralization of his personal probity. Market stability is thus weakened if not destroyed, to the disadvantage of all concerned.

"That this disadvantage accrues to both parties to the transaction—the buyer as well as the seller—I sought to prove in an address last April to a group of purchasing agents. In this I plead for a frank, straightforward, honorable co-operation of both parties in their mutual interest, for I am convinced that unless the substantial merits of such a procedure (it pays!) is recognized and influences primarily the purchasing agent, the situation we deplore will never be voluntarily changed. Judge Gary's Golden Rule of Business must apply to all concerned. Whether at this stage it can be done without the aid of Government to force the recalcitrants into the ways of rectitude, is a question. Mr. Hoover, as you know, has repeatedly warned that Government will be forced by public opinion to interfere with business administration if the executive fails to meet his obligations to the public need. Our commercial history furnishes many examples to discomfort selfish, shortsighted business leaders.

"As long as executives connive at procedures antagonistic to public morals, it is only a question of time before Government must interfere. If the manufacturer could muster the courage to submit to the Federal Trade Commission, or other competent authority, cases such as you describe, where 'the buyer definitely lied' to serve his ends, in order to establish his guilt of obtaining goods by false pretenses, immediate progress would ensue. Such cases are all too frequent to

admit of cavil, but mind you I do not altogether blame the guilty purchasing agent for he himself is a victim of circumstances which the seller usually provides. The purchasing agent too often is just what the manufacturer has made him and, as I have already intimated, we and he must co-operate in order to serve a growing recognition of higher social needs."

A SUGGESTION TO THE HOLDERS OF DEFERRED PAYMENT NOTES IN FLORIDA.

A FEW years ago thousands of people invested in town lots in Florida for which they were able to pay only in part, trusting to their ability to sell to others or to meet the deferred payments. Some of these people may have been rank speculators gambling on a chance, but many of them, after thorough investigation, were carried away by the spirit of the hour and made what they thought were legitimate, honest investments. The decline in the present value of Florida properties from the high peak of boom days, and the general business depression which has prevailed to a large extent throughout the entire country, has caused many of these buyers great financial distress. Many of them have put their last available dollar into payments on the properties purchased, but being unable to make further payments they are in danger of being sold out.

The MANUFACTURERS RECORD would like, in the interest of fair and honorable dealing and the fact that the Golden Rule should be followed in all business transactions, to suggest that the holders of these deferred payment notes should as far as may be possible deal in a friendly and conciliatory spirit with those indebted to them. In many cases the buyers would doubtless be willing to deed back some of the lots if they could receive free of encumbrance a portion of what they bought. Land companies and individuals who sold properties at high prices would, we think, benefit themselves, benefit the State and render a very great service to the buyers of these properties if in a spirit of dealing with others as we would have others deal with us they found some way to lessen the burden of those who owe deferred payments and who are in danger of losing all they have put into these purchases and still find themselves obligated without securing any of the property they thought they had bought as a wise investment. This thought is prompted by a letter from a purchaser of town lots who writes:

"The property purchased appeared to me, and still appears, to be worth under normal conditions what I contracted to pay for it. The slump came, and with it came disaster to me, as to many others. I have paid \$5,000, one-half the purchase price on three lots. They are now all to be taken from me because I cannot pay more.

"There are thousands of men and women in Florida who are in the same position in which I find myself, and that is the only fact which makes a letter of this kind justifiable. Along with the wild-cat speculators of three years ago there were thousands of purchases made in good faith, which contracts have been impossible of fulfillment because the purchasers, for one reason or another, have been swept down in the general Florida disaster.

"With such purchasers law ceases to be justice, under present Florida conditions. It seems to me that justice would be vastly better served and Florida as a whole benefited, if a spirit of co-operation were shown rather than an exaction of the letter of the law. I have, for instance, paid for one-half of this property; I am asking for a deed to one-third of it. It seems to me that to deprive me of all of it, under the circumstances, is not in accord with basic justice."

The situation thus suggested is one that deserves the most careful consideration and the most liberal treatment that can possibly be given to these buyers, knowing in this way that the State and the individual alike would be greatly benefited and Florida's prosperity surely advanced.

SOME SHARP CRITICISMS OF FEDERAL RESERVE BOARD'S RECENT ACTIVITIES.

EDITORIAL criticisms in this paper of recent activities of the Federal Reserve Board enforcing high rates, have called forth a number of very pointed criticisms, some from people who feel they cannot permit their names to be published for fear their banking business would be injured thereby.

James N. Wright, president of Wright, Warlow & Co., investment bankers of Orlando, Fla., in a letter to the MANUFACTURERS RECORD makes the following interesting and important statements:

"I have read with interest your article of August 16 and am happy to see a magazine of such wide influence put into plain print its views on the raising of rates by the Federal Reserve System.

"For some time past I have been writing to various friends of this firm in the North who, due to their financial connections, are in a position to comment on the results of the Federal Reserve policy for I have felt that, while I am in no sense a student of either domestic or foreign finance, it is very plain to the average business man that the only effect these arbitrary raises in interest have had is to create consternation among those whose business requires them to borrow money and has had not a particle of effect on the stock market.

"The senior vice president of one of the largest banks in New York writes me under date of August 21: 'Business on the other hand takes a very determined position and in cooperation with the investment public has determined that the market price of securities is a fair value of the equities of corporations, and as this opinion is fortified by enormous cash and current asset reserves it can ably defend its position against that of the bankers. The distress that has occurred over the vast amount of money that is being loaned for corporations and others is to my mind a reflection on the past good habits of bankers who through a species of fear and competition have allowed themselves to stray away from good sound banking practices. I remember that no money was ever loaned on call by banks other than for themselves in amounts of less than \$100,000 and then only when the customer still left a comfortable balance. Times have changed and so have practices, but I think we are making progress toward sanity and reason and as soon as bankers can obtain reasonable control of the employment of funds and be the ones to maintain a stability we will find that our prosperity and international credit position is still a real asset. Therefore, after all, make your plans for firm money.'

"The present day high call money rate has practically taken out of the market some of the most stable investing agencies in the country and there seems to be almost a tacit agreement among those who control the bank loan situation, if it is controlled at all, to make the whole country pay some 10 per cent to 40 per cent more for borrowing money than it paid last year and all of this with the country in almost unprecedented prosperity; with corporations with literally billions of dollars that they do not need in their businesses and with no conceivable argument that the Federal Reserve Banks can apparently put forth for their raise in rates except that they are attempting to control speculation.

"From the formation of the Federal Reserve banking system it has always been preached that the system could control speculation on Wall Street and it seems to have so far become imbued with this theory that it is imposing untold hardship on the legitimate borrower of money in every section of the country in its vain endeavor to persuade itself that it is right. Wall Street has had plenty of panics in the past that have not had a particle of effect on the country at large. If the price of stocks is too high, prices will readjust themselves in due course. There will, of course, be a panic in Wall Street and literally billions of dollars in shortage will be faced by the margin speculators in the country, but why not?

"I wish the public could appreciate what this increased rate by the Federal Reserve Bank system is costing the nation at large in its every day business. This firm at least commends you heartily for giving the matter publicity and I believe the United States Chamber of Commerce should be the organization to take this matter before the nation and show

the public what the Federal Reserve Board is doing to business."

A big manufacturing concern in the South, which for fear of having difficulty in borrowing money prefers that its name not be published, in commenting on the Federal Reserve System's recent money rates, says that the MANUFACTURERS RECORD is entirely right in its contention and that its argument is sound. In the letter from this concern, it is said:

"The Federal Reserve Board seems to overlook the fact that there are a number of manufacturers in the country, as well as possibly other classes of business men, who suffer when money rates go up. For instance, recently our bank complained that we were not carrying enough balance on deposit in proportion to the amount loaned us, and cited as a reason the fact that they have to pay the Federal Reserve such a high rate of interest on the rediscounts that they cannot make any money at their present rate of interest unless their borrowers carry at least 10 per cent of the amount they borrowed on deposit. Why should manufacturers and other industries be penalized in order to curb brokers who are gambling in stocks? * * * If the Federal Reserve authorities follow their present policy of high interest rates in spite of the fact that we have every reason to look forward to good business conditions due to good crops and the further fact that the Government has agreed to safeguard the menace of the Mississippi River, business conditions will not be good. * * * We believe there are thousands of other manufacturers and business men all over the country who have suffered and will suffer like ourselves if the Federal Reserve Banks do not change their policy."

Reference is also made in this letter to the fact that one local man had sent \$100,000 to New York to be invested in call money on account of the high rate of interest, and it was added: "It can readily be seen why we are having tight money when we should be having prosperous times."

Another letter from the South brings a copy of a letter addressed to the Governor of the Federal Reserve Board at Washington, as follows:

"Does it ever occur to you that you and the other six governors of the Federal Reserve Board are abusing the unlimited power placed in your hands, by raising the discount rate so high that you drive honest men out of business?"

"You are supposed to serve the general public, and not to favor or abuse the unlimited power granted to you. You could hold the rediscount to legitimate business at a normal figure where they could live and prosper, and absolutely refuse to loan to banks who continued to loan to wild speculators, and thereby injure no legitimate business."

"Does it ever occur to you that you and your other six office holders are responsible today for the 4,500,000 idle men? Just place the salaries of those 4,500,000 men at only \$2 a day, which is far under what they would earn; it amounts to \$9,000,000 a day, and taking off for Sundays, legal holidays and half holidays for Saturdays, would leave 285 days. Look what a stupendous amount of money that would give to buy commodities produced. Then more than that amount would go each day into material for these men to work with, and that takes several billion dollars out of legitimate channels which is all that is wrong with the country today."

"Think what you are doing. Do not be the tools of the few politicians and large financiers that will profit greatly by the squeeze you have caused. It is hard to get men big enough to fill the positions you occupy without the abuse of power. so stop and think."

A SOUTHERNER'S SUCCESS IN NEW YORK.

MATTHEW S. SLOAN has been elected president of the New York Edison Company, one of the great business organizations of that city. Mr. Sloan was born in Mobile in 1881 and is a graduate of the Alabama Polytechnic Institute.

Here is one more illustration of the value of technical training to the boys and young men of the South. Mr. Sloan has had an extremely interesting career, advancing steadily from one position to another until now he has become the president of one of the leading utility companies of the country. Thus the South again shows the business ability of its people.

COMMONWEALTH OF KENTUCKY

EXECUTIVE CHAMBER

FRANKFORT

FLEM D. SAMPSON
GOVERNOR

September 5, 1928.

Hon. Richard H. Edmonds,
Editor Manufacturers Record,
Baltimore, Maryland.

Dear Editor Edmonds:—

I have just received and read a copy of the last issue of Manufacturers Record, including the cover page stuff concerning Kentucky, and am writing to sincerely thank you and the Manufacturers Record for the liberal boost you have given us and for the generous amount of space in your valued publication.

Our people throughout Kentucky are rejoicing over the way you have handled the matter. Many of our newspapers, local and otherwise, are commenting editorially upon your splendid boost of our State. We appreciate it more than we have words to express.

The Manufacturers Record has been of inestimable advantage to all the South in advertising its opportunities. I sincerely thank you on behalf of the Commonwealth of Kentucky for so generously publishing our story.

Sincerely yours,

FLEM D. SAMPSON.

"DEAD FOR LACK OF PROTECTION."

THE Charlotte Observer under the above heading has the following interesting editorial:

"A new mineral is discovered in Florida which that State is anxious to exploit commercially. It is a lime stone known as 'travertine,' a mineral of potential value to architects and builders, and Florida is calling for 'adequate tariff protection' to meet the competition of an Italian product of similar character. Which reminds of the death of a once flourishing mineral product of Cleveland County, a sand known as 'monazite.' For several years the farmers and landowners of Cleveland coined money by shoveling up this sand from the creek bottoms and sending it to market, the Edison inventions calling for liberal supplies. But there was the import of Brazilian monazite, with no tariff protection, and the industry was killed dead as Hector. Likewise, the fate of the abrasive garnet mines near Willits, in Jackson County. The mines were developed and operated by Col. S. A. Jones and were doing a fine business, spreading money over that section of the State, when the industry met the same fate as the monazite of Cleveland. Sometimes an argument for a protective tariff may become embarrassing to the politicians, and in the case of travertine, monazite and garnet, the embarrassment seems to abide."

This is another illustration of the fact that a protective tariff is essential not only to the industrial interests of the country but to the mineral interests as well. There are almost innumerable minerals in the South, the development of which could be hastened by an adequate protective tariff. But unfortunately Southern Democratic politicians have to a large extent for years and years bitterly fought a protective tariff that could have enormously increased the wealth of their own states.

ONE of the humorous incidents in the present political campaign is disclosure of the fact that as a member of the New York General Assembly Governor Smith introduced an anti-cigarette bill even more drastic than the Kansas model. His speech against cigarette smoking was, to put it mildly, piping hot. But, that was in the day when he did not realize the sacredness of a "personal liberty" to spread moral, physical and economic misery over the land by handing it over to John Barleycorn.

THE COURAGEOUS COURSE OF SENATOR SIMMONS.

IN the minds of all right-thinking people, regardless of how some may try to smother their deep convictions, F. M. Simmons, for many years one of the leading members of the United States Senate and a leader in the political life of North Carolina and the nation, will be esteemed more highly than at any time before, because of that courage which enabled him to announce himself as definitely opposed to the election of Governor Smith.

Senator Simmons fought the nomination of Smith in a great speech in Congress, and the longer he studied the situation the more deeply was he convinced that his supreme duty to his State and to his country, and to the cause of Prohibition itself, demanded that he come out in the open and give his support to those who in North Carolina were organizing to oppose the election of Governor Smith.

Courage of this kind among politicians is only too rare. There are many other men in the South of political prominence who in their innermost souls feel just as deeply that the election of Governor Smith would be a disaster, and yet who are working for his election merely because of party regularity. For instance, a leading manufacturer of Virginia a few days ago said that while he was praying for the election of Hoover, merely for party regularity he would vote for Governor Smith. He would regard the election of Governor Smith as a disaster, but in order to claim in the future that he had not bolted his party he was going to vote contrary to his deep convictions. Surely that is not a manly, honorable or honest position. It is sacrificing honor and courage and country to party affiliation.

In his announcement in regard to his position on the subject Senator Simmons wrote as follows:

"New Bern, N. C.,
September 1, 1928.

"Honorable Frank R. McNinch,
Charlotte, N. C.

"Pursuant to our phone conversation, I wish to assure you of my full sympathy with the movement to organize and consolidate anti-Smith sentiment. Shall be glad to co-operate in this behalf. My position is one of uncompromising opposition to Governor Smith. It is clear to my mind that since his nomination he has repudiated the platform not in one but in several particulars, turned the party over to Tammany Hall and certain big interests hostile to Democratic policies and principles and that through his, its and their actions, affiliations and connections, the major principles of the party have been either compromised, traded or bartered off for expediency sake, leaving but little of Democracy except its name. To me the principles of the party mean more than its name. Under these circumstances I am profoundly convinced that the election of Governor Smith would be unfortunate alike to the party and the country and I shall not therefore vote for him.

"F. M. SIMMONS."

In this Senator Simmons set an example of courage, of backbone and of righteousness which puts to shame many things that other people are saying and doing in working for Smith's election when deep down in their hearts they realize it would be a disaster.

NEGRO CLUB FOR SMITH ORGANIZED AT VALDOSTA.

AN Associated Press dispatch to the Atlanta Constitution states:

"The Valdosta (Ga.) Times said today that an 'Al Smith-for-President League' was organized here last night at a rally of negro residents of this city. Resolutions were adopted rapping the Republican attitude toward the negro and commending Smith's views on Prohibition and other issues."

[Republished from the Baltimore Sun, August 27.]

NEGRO BISHOP URGES RACE TO BACK SMITH

Rt. Rev. R. C. Ransom, Louisiana, Of African M. E. Group, Assails G. O. P.

ADDRESSES TWO CONGREGATIONS

Prelate Calls Church Leaders Overwhelmingly For N. Y. Governor

The Rt. Rev. Reverdy C. Ransom, Bishop for the Louisiana district of the African Methodist Episcopal Church, who is working for the candidacy of Governor Smith, yesterday addressed two large congregations of his denomination in this city.

Bishop Ransom, who volunteered his services to the Smith-for-President Colored League, with headquarters in New York, has been appointed chairman of the speakers' bureau of the organization. Yesterday morning he spoke at Trinity African Methodist Episcopal Church and last night at Bethel African Episcopal Church.

* * * *

"Now is the time for the Negro to assert himself on issues which are so diverse.

Record Of Failure

"Seventy per cent. of the Negroes of this country live below the Mason-Dixon line. The Republican party in fifty years has not liberated them politically. The Negroes of the South are not deceived about the traditional attitude of Southern Democracy but they know their friends and should live with their friends.

"The ministers and elders of our church are overwhelmingly for Governor Smith. It also is interesting that Bishop Demby (the Rt. Rev. Edward Thomas Demby, of Arkansas), the only colored bishop in the Protestant Episcopal Church, has endorsed the candidacy of Governor Smith.

"Strong For Smith"

Bishop Ransom said the Negroes of New York, New Jersey and West Virginia "are strong for Governor Smith." He predicted the majority of Negroes in other parts of the country would vote for the Democratic Presidential candidate.

Speaking at Bethel Church last night, Bishop Ransom asserted there was a need for young Negroes to enter politics to care for the interests of the race, which "needed men and women to lead it into new paths."

* * * *

"The Democrats will have to vote for a Negro and the Negroes must vote the Democratic ticket," he added.

He ridiculed those who wanted to allow things to rest as they have been and explained that the Negro must go into new paths and break traditions.

BLASPHEMOUS BEYOND LIMIT.

IN its envenomed rage against anti-Smith Democrats, the Jackson (Miss.) Daily News closes an editorial with the following blasphemous statement:

"It is no more possible to be an anti-Smith Democrat than it is to be an anti-Jesus Christian."

Surely every man and woman must be shocked when the Smith advocates descend to such depths and must wonder if there is any limit of speech to which these advocates will not go.

A GREAT ELECTRIC POWER PLANT OPERATED BY NATURAL GAS.

SENATOR RANDELL of Louisiana, always working enthusiastically for the advancement of that State, in a letter to the MANUFACTURERS RECORD calls attention to the fact that at Sterlington, on the Ouachita River, in northeast Louisiana, "is one of the most unique enterprises in America, where 120,000 electric horsepower is being produced from natural gas at much smaller cost than by waterpower plant; and the electric power is carried by wire to many homes, municipalities and industries in Arkansas, Mississippi and Louisiana." The officials of the company in charge of this development believe they control enough natural gas to last at least 30 years, and when that is exhausted that they can use lignite of which Louisiana has enormous supplies, just as is being done to advantage in Texas.

Daniels' and Edmonds' Long Drawn Out Letters.

[Mr. Josephus Daniels urgently insists, or requests, that the Manufacturers Record shall publish his latest letter in reply to a letter from the editor of the Manufacturers Record. It had been thought that the editorial summary in last week's issue of this paper covering Mr. Daniels' letter was sufficient, but as he urges that the entire letter be published we are doing so with the reply of the writer, which in part is a rehash of some of the statements made in the editorial in last week's issue discussing Mr. Daniels' letter. We hope our readers will bear with patience the length of this correspondence. We would especially request that those who read Mr. Daniels' letter will read in full the reply thereto.—Editor Manufacturers Record.]

Daniels' Letter to Edmonds.

Dear Mr. Edmonds:

It astounds me that you can suggest even the remotest similarity between the conspiracy of corruption by which the naval oil reserves were turned over to oil magnates by bribery of a cabinet official and a policy of the Treasury Department approved by Republican and Democratic members of the Federal Reserve Board, urged by all the Republican bankers and captains of industry, which was put into effect toward the close of the Wilson administration when Hon. David Franklin Houston was Secretary of the Treasury. The Teapot Dome scandal drew forth the condemnation of the Supreme Court and directly or indirectly compelled three members of the Coolidge cabinet to retire, two of them under fire, the worst of them having gotten out shortly after he received the \$100,000 in "the little black bag" from Doheny and other bribers. Later money from the oil conspirators was given to the National Republican Committee. The story of the shame, proved to be a party crime and not merely personal looting, is the blackest official crime in the history of the Republic.

You do a grievous wrong to honorable officials when you assert that "there was a robbery by the government through its agent of \$50,000,000,000." There was no "robbery" of a single cent by any official of the Wilson administration and upon reflection you will regret using such a word to describe a policy carried on by honorable gentlemen. I do not know how much money was lost by the policy of deflation. I do know that not a penny of dishonest money stuck to the palm of any Democratic official. I do know that in 1920 there was a great decline and that the deflation and debacle following the war caused widespread ruin to many and that it continued under Harding's administration. You assume that all this decline in values and this financial distress was due to the deflation policy of the Federal Reserve Board. If you will reflect a moment you will see that two influences operated to bring about the decline in values in the years following the World War. They were:

1. The debacle in Europe occasioned by the success of Lodge and the Bitter-Enders in defeating the League of Nations. You will remember that after the Armistice was signed, there was an outburst of industry in this country. There was a greater demand for what the factories and farms could produce than there was a supply. Wages soared and there was a fury of rising prices. Men bought land at three or four times its value and the captains of industry, returning from Europe, told us that the market there would afford sale for everything we could make or grow. In consequence farmers were encouraged to increase production. They bought more land and planted large crops, owners of mills enlarged their buildings and added new facilities. Then the terrible, awful, widespread announcement reached Europe that the United States would not ratify the League of Nations, had withdrawn its pledge to give security to France, and was setting out on a selfish policy of looking out for

number one, and withdrawing from all participation with the European nations in the plans for reconstruction. When that realization came to Europeans, the slump was the worst in history. (It had a disastrous effect, too, on business in the United States.) People lost hope, their spirit was broken, and they were unable in their lack of resource and faith to carry out the plans of restoration they had entered upon. This dried up the markets for American farm products and American manufactures, and a near-panic struck down industry and agriculture in the United States. The failure of the Senate to ratify the League cost the farmers and manufacturers a large part of the fifty million dollars you write about. That failure to help our allies in the only way that could make for stability was not a "crime." Lodge was free of money taint. I will not even say he and his associates understood the terrible disaster that would follow when they "broke the heart of the world" and broke the pockets of many Americans. But their mistaken judgment, their inability to see that our withdrawal from the treaties signed by all the European nations in Paris, was more or less tragic because it had none of the elements of the sort of corruption that Fall engineered in the Harding administration.

2. The second reason for the great loss to the American farmers and business men and manufacturers in and around 1920 was the policy of deflation practiced by the Federal Reserve Board and Secretary Houston. It did more than help along, with the Senate's lack of vision, the great losses that almost prostrated business. It caused a loss of confidence and hope. Still it was not an "act of perfidy" and was not "an outrageous crime" unless the Senate's refusal to help compose a distracted world was "an act of perfidy" and "an outrageous crime." Both hurt the people and deserved, as I said then and say now, criticism and condemnation, but there is no more warrant for saying that the Federal Reserve was guilty of "an outrageous crime" than that Lodge, Brandegee and Reed were likewise guilty. The worst that can be said of them is that, without any corruption, they acted in a way to disrupt business and cause serious loss. And they did it in the belief that they were preventing worse things.

Which of these two causes of the near panic in business is most responsible? That is a matter of opinion. I sincerely believe that if the Senate had at once ratified the Versailles treaty and had let Europe know this country was ready to make large sacrifice for world peace and stability as it had made to end the war, the world would have escaped the terrible distress that followed and there would have been nothing like the decline in values and disturbance in business that shook this country to its foundations. It is my deliberate opinion that the rejection of the League, causing loss of hope, was the beginning of the trouble. And then, in that crisis, the Federal Reserve Board, fearful that the dollar would go down here as the pound and franc had gone below par in Europe, adopted a policy of deflation which further sent us on the toboggan. Deflation after inflation had to come. The serious mistake, in my judgment, made by Secretary Houston and the Federal Reserve Board was in not so acting as to make it easy and gradual, covering a series of years. This would have saved many who went under by reason of demands to meet obligations immediately or within a brief period when they could not obtain the money.

I do not pretend to any superior knowledge about finance, but I was deeply concerned then over the situation and sought in every way I could to convince the Secretary of the Treasury and the chairman of the Federal Reserve Board and President Wilson that the right policy was a gradual course to end inflation and that the policy being pursued was unsound. I was neither quiet nor silent as you assume.

You ask: "Did you, Mr. Daniels, as a member of the cabinet, protest against Secretary Houston's policy?" My answer is that I did protest not once but repeatedly. Upon my return to Washington, after a visit to North Carolina and Nebraska where I became better acquainted with the distress existing, I went at once to the Treasury Department to see Mr. W. P. G. Harding, chairman of the Federal Reserve Board. I told him of some deplorable instances that had come under my observation, and urged him to change the course being pursued to avert the disaster. "We are both Southern men," I said, "and are concerned about the distress in our section, and I have come to see you to urge such change as will enable farmers and others to meet their obligations by postponement until the situation improves." He was courteous, and when we grew very far apart in our discussion, he said: "Why, if you feel so deeply about this, do you come to me? Why don't you take the matter up with your cabinet colleague, Secretary Houston?" My reply was that I came to him first because I thought as head of the Federal Reserve Board, if he knew the conditions in the South and West, he would take the initiative and present to the full Board the true conditions and recommend to it a policy of gradual deflation in place of the policy inaugurated. He was convinced the course in operation should be continued. I told him I was disappointed that he could be so calm when business was going broke, farmers were being ruined, and banks were in trouble.

I went then to see Secretary Houston and told him how bad conditions were in the South and West and what I had said to Harding. He defended the course being taken as necessary to prevent the dollar going below par and said to do otherwise would bring more serious conditions than those I described as existing. He was very earnest and very sincere in maintaining his view that any changes from the policy laid down by the Federal Reserve Board would work more lasting evil than the losses I told him about. Mr. Houston is an able economist, had made a study of the situation here and abroad, and his mind was closed to argument. That is Houston's way. When he has completed his studies and reached a conclusion, nothing can shake him, not even a near-panic. He said I was stampeded by my fears and he felt he understood the situation better than I did. He was adamant to my suggestions. Still troubled, I talked the matter over with ex-Secretary of the Treasury McAdoo, who came over from New York, and in answer to a question of a reporter of the Washington Post he strongly expressed the opinion that the necessary deflation could be accomplished with less injury by spreading it over several years. After talking with McAdoo and reading his statement in the paper, I called McAdoo's views and his interview to the attention of my nearest neighbor, Chairman Harding. He said he had regard for Mr. McAdoo, and added: "He is now talking more as a politician than as an economist." That nettled me, knowing that Mr. Harding owed his appointment to McAdoo, and while McAdoo was Secretary of the Treasury, I had heard Mr. Harding speak of him and his ability in the highest terms. I replied: "If McAdoo was as able as you formerly said, why is not his opinion worthy of great weight now?" Incidentally, one reason why I favored the nomination of McAdoo in 1920 instead of Houston was because I thought Houston's drastic deflation policy had not been wise, and I felt it would weaken him as a candidate. I also went to see John Skelton Williams, Comptroller of the Currency. We talked the matter over more than once. He was at utter variance with Houston and Harding and they were not slow to criticize him as he was quick to condemn their policy. He felt very deeply that the Federal Reserve policy was wrong. After talking with him we decided it was my duty to take up the serious situation with the President and I asked for an interview with Mr. Wilson then recovering from his serious illness. It is not generally known, but it is a fact: that after he again took up public business, neither he nor his physician wished him to be taxed with serious new problems. As a rule, upon questions to which he had given consideration before his illness, he acted with the same vigor and directness as before his attack. In fact, his mind seemed clearer and his resolve to carry out his policies more fixed. There never was a time, after he resumed cabinet meetings, when upon such questions he lacked any of his former initiative and will power and clearness, as was in evidence, particularly when Fall had to tell the public that Mr. Wilson's mind functioned clearly.

But generally, upon new questions that called for study and investigation, after his illness, Mr. Wilson leaned upon members of his cabinet about matters in their departments. There were, of course, exceptions, as Mr. Lansing can testify, when Mr. Wilson took great matters, growing out of former situations, in his own hands with old-time vigor.

Upon the occasion of my visit, after I had told the President of the serious situation and some distressing cases I had learned about, growing out of what I regarded as a drastic policy of inflation by the Federal Reserve Board, Mr. Wilson asked:

"Why do you not take this up with Houston?"

My answer was that I had done so, but that Houston with his customary confidence in the judgments he had reached, and reached after study, was so convinced he was right I could make no impression upon him. I added: "I am rather of the opinion Houston thinks I am too much influenced because I have found in my travels that the policy is going to work havoc with our party in the coming election." He smiled and suggested that it would be well to take the matter up again with Houston. He knew Houston and I were good friends and that I had urged him to appoint Houston when Glass was urging the selection of Leffingwell and had pressed upon him that a Democrat should be selected. I had the highest opinion of Mr. Leffingwell, but did not think any Republican should be in the inner circle of the administration. He had great confidence in Houston's ability and integrity, both fully justified, as I had. I saw that the President, seeing the matter was one under the Treasury, was disposed to leave the policy to Houston and the Federal Reserve Board, which he did, and I did not have the heart to press upon him any study upon his own part. I thought then and I still think that if Mr. Wilson had been as strong physically as he was when he led the magnificent fight for the establishment of the Federal Reserve system, which is even now in danger of getting off the track upon which Wilson launched it, that he would have found a way to avert the financial collapse. My dear Mr. Edmonds, you and I are in agreement here for you say: "If President Wilson had not been so absolutely absorbed in trying to put through the League of Nations, and later had his health not completely failed, I am quite sure that he would have made an aggressive fight against this drastic deflation." Or if Mr. McAdoo had been Secretary of the Treasury the deflation would have been accomplished over a longer period with less losses and disaster. At least such is my opinion, which is very different from the extreme view you express. Your denunciation of Houston's motives is in my judgment wholly undeserved.

It may interest you, however, to know that though these matters were wholly out of the Navy Department, I concerned myself with them because they affected the people of the country. Not once but many times I discussed with President Wilson matters not connected with the Navy, and I had a long disagreement with the Secretary of the Interior over the disposition of part of those reserves. President Wilson always sustained my determination to prevent any alienation or leasing of any of these reserves and upheld me at every step in the fight and controversy. Parenthetically, I may say the drive to get possession of them began shortly after the reserves had been set aside. This was a matter of common knowledge in Washington and in all oil circles. Matters relating to the oil reserves came up in the cabinet for discussion. Therefore I have always been skeptical about all cabinet members being in total ignorance of what was going on in the Harding administration.

When Mr. Houston favored putting an end to the War Finance Corporation, I conferred with Mr. Eugene Meyer and stood with him for its continuance, believing it was as necessary for it to continue its aid in the period of readjustment as it had been when established. However, I shared Mr. Houston's indignation when later I learned that the War Finance Corporation had loaned millions of dollars at a low rate of interest to near-billionaire steel and other companies when its existence was perpetuated so it could aid suffering agriculturists, and I helped in a small way to secure the lengthening of the life of that Corporation, not then knowing it was guilty of the wrong of helping the rich concerns instead of confining itself to the functions for which it was created and continued.

Who is right about the deflation policy? Mr. Houston could take your letter as he could easily and doubtless would if he should make any reply, and say that if he had ruined the country, how does it happen that you say "during the last seven years the industrial progress of the South has been greater than ever before?" He could say that, right or wrong, he was backed in his position by the Republican administra-

tion which followed Wilson. In recognition of his important service in carrying out the policy of deflation desired by the great bankers and business leaders, President Warren G. Harding resolved to reappoint W. P. G. Harding, Alabama Democrat, to his position on the Federal Reserve Board. That expected appointment, credited to the big money interests, created great resentment, which aroused the Senate. The result was that Western Republicans and Democrats were able to prevent his appointment and Mr. Harding was given a position with one of the big banks of the East. Mr. Houston could also cite that nearly all the big newspapers, particularly Republican, and many political economists agreed with him, some saying that in a serious crisis he had by great courage through the Federal Reserve Board saved the country from a panic that would have made recovery impossible in a quarter of a century. He could also truly say that the policy was approved by the Republican members of the Federal Reserve Board and its stoutest defenders in the Senate were Republicans. It was a policy approved by both parties in the money centers. My own opinion is that big business profited largely by the deflation policy and it bore most heavily on the progressive people who had taken the advice of those who predicted an era of unprecedented prosperity. When the League of Nations failed and the deflation policy followed, the people might have been saved by such a policy as Mr. McAdoo or Mr. John Skelton Williams would have carried out, and in which I was in agreement. However that may be, any reflection upon the high character of Mr. Houston or any comparison about what he did with the wicked corruption in connection with the naval oil reserves is one, which, upon reflection, I am sure you, Mr. Edmonds, as a fair-minded man, will withdraw. The oil scandal was conceived in iniquity and brought forth in corruption, and was a party crime. Indeed, it was "treason to the State." Neither Mr. Lodge, who began the calamity by refusing aid to the allies in solving pressing problems, nor Secretary Houston, who put in practice the deflation policy, could be accused of anything worse than a mistake of judgment.

I deny in toto your assumption that prosperity depends on high tariff rates or that wages are based on exorbitant tariffs. The near panic that burst in Cleveland's last administration began under Harrison when Republican tariff legislation was in operation. It was not until the Spanish-American War in McKinley's administration that the war demand set factories to work and business recovered. If your theory of giving credit to high protection for all prosperity has any basis to stand upon, I could equally truly declare that war is a blessing for the Spanish-American War and the World War witnessed the greatest eras of high prices and high wages we have known.

You are right in saying D. A. Tompkins was an able man, but he did not represent North Carolina opinion, or even factory opinion, when he bolted the Democratic party and supported McKinley and was appointed to office in recognition. No, I do not think his bolt was prompted by political ambition or desire for office. He was a protectionist and a gold standard man and rejoiced in supporting McKinley, a lovable man who always gave the powerful interests such tariff bonuses as they desired. There are not a few North Carolinians who desire the highest tariff on things they make. Undoubtedly we have some people among us who "want sugar in theirn" even if it imposes a tax of five billion dollars annually upon the consumers, but they are in the minority and the Democratic party has never approved or endorsed the McKinley or Aldrich or Fordney tariffs. By the way, by what process do you manage to give war the credit for prosperity under Wilson and deny it the credit under McKinley?

You have long labored under the illusion that to secure prosperity, you must make the many pay tribute to the few, or as Carter Glass aptly puts it: "Tariff taxation, that insidious system which picks the pockets of every man, woman and child in the nation and pours tribute into the coffers of a privileged class." We are now living under an era of the highest tariff schedules. If it brings prosperity, why is the textile industry, to mention only one, not prosperous? Why are 3,000,000 people walking the streets looking for jobs with which to feed their families? The high tariff rates on wheat and farm products were guaranteed to bring agricultural prosperity. Why are wheat, cotton and tobacco selling today below the cost of production? And why are farmers demanding relief now that the tariff schedules are sky high? No, my dear Mr. Edmonds, high tariff is a broken reed to depend upon. No party and no tariff can evoke prosperity. I mean well-distributed prosperity, not the pseudo prosperity we now have which is largely monopolized by the favored interests. High tariff does enrich its beneficiaries, but every dollar thus given them comes out of the pockets of some other people.

There is no Tariff Santa Claus. North Carolina welcomes Mr. Mellon and his plant. It has treated him with consideration in protection and justice. It was not established here from any altruistic motives, but because of our God-given water power. Appreciating the location and the employment which the industry affords, there is no call for that reason to North Carolinians to worship the god Privilege and surrender our convictions as an evidence of rejoicing that our climate and water power and capable labor induces the location of that great plant on the Yadkin. North Carolinians do not genuflect in manners or in principles. It is contrary to their nature or "bend the pregnant hinges of the knee that thrift may follow fawning."

You touch a very dear association when you write about my cherished friend, Hon. William L. Wilson, of West Virginia, whose death in the midst of large usefulness lost West Virginia its noblest and ablest son. It may be that some one who did not know his purity of purpose and unselfish devotion to the common weal might infer from your letter that he changed his view because he was under the influence of William C. Whitney, so Whitney could increase his fortune. Nobody who ever knew William L. Wilson could believe him capable of that. I knew him well and I beg you to, as publicly as you have suggested he could be moved to any action except by sincere conviction, withdraw your words which impute such motive to my valued dead friend, whose confidence and friendship were very grateful to me. I do not know anything about the coal matter upon which you touch. It may be that as a young man Mr. Wilson held a local view and as he grew in wisdom (he was easily the most learned man in a House of distinguished men) he entertained a different view. If so, the only thing that could have influenced him was a sense of conviction. I saw him frequently when he was preparing the Wilson tariff bill in 1894. I heard his speech concluding the tariff debate. I saw him win an oratorical victory that ranks among the most remarkable in our legislative halls, when Henry St. George Tucker and William Jennings Bryan and Benton McMillan bore him on their shoulders while the House of Representatives paid tribute alike to his ability, his sincerity and his surpassing eloquence. No man has ever stirred hearts by pleading for privilege. It is only when a passion for justice and equality, such as moved Mr. Wilson that day stirred him, that a man reaches the heights. If the Wilson tariff did not bring the blessings its author expected it was because Senators Gorman and Brice and Jim Smith in the Senate, co-operating with Republicans, incorporated Republican schedules, so that it was more of a Republican than Democratic measure. It was so much so that Cleveland refused to sign it, saying it represented "party perfidy and party dishonor." If you are right that bad times followed its passage, you must remember that it was not the excellent measure it was before Republican schedules made it contain many schedules of special privilege against which Wilson and Cleveland protested.

I have written too much. In conclusion, I cannot trust the Republican party's pledges to enforce Prohibition. It made the same promise four years ago and flagrantly violated the promise which it is making again in 1928. I am no more in favor of Smith's larger alcoholic content than of Hoover's 2.75 beer. Fortunately I know that as long as the dry Democrats hold their strength in Congress neither Hoover nor Smith can do anything to the Prohibition law. Both have promised to enforce it. Hoover wants "an organized searching investigation of fact and causes" and is against repeal of the Eighteenth Amendment. Smith wants the Eighteenth Amendment amended so each State can fix its alcoholic content. I wholly oppose his position. But I know he could not in a decade secure the two-thirds vote to submit it or the three-fourths vote of the States to ratify it. The dry Democrats will see to that and you need have no fears on that score. We would be impotent to help here or for any reform if we should go over to the party of privilege, flagrant failure to enforce Prohibition and subservience to every entrenched trust and monopoly.

It is easier for you to refuse to abide by the arbitrament of the Democratic National Convention than it is for me. With your Hamiltonian tariff views; your lack of faith in the League of Nations to which Hoover and I were devoted in 1919, and which is still to me the bow of promise of peace; your willingness to see private monopoly control Muscle Shoals and other government water power; and your past record of going Republican when the Democratic nominee and platform did not wholly meet your approval, support of the Republican candidate because the Democratic nominee or Prohibition is wetter than we can approve. But to me it is impossible, by direct or indirect action, to give aid and comfort to a party which in its domestic and foreign policies

stands on big questions for everything that runs counter to my deep convictions. In order to support Hoover on his platform against Prohibition I would have to support him on his platform approving Philippine imperialism, Nicaraguan indefensible invasion, sinking of the American Navy by which our country loses supremacy on the sea, scuttle in international affairs, increased taxation on the many by higher tariff taxes, winking at Prohibition evasion, failure to give any farm relief, hostility to just labor demands and covering up oil corruption, to mention only these, I could not do it, Mr. Edmonds. If I did I could not sleep with myself and I would be turning my back upon my life-long record of opposition to Republicanism and Privilege which are one and inseparable. I say this, opposing with all my soul every recom-

mendation Governor Smith makes on Prohibition. You will find me always fighting to maintain Prohibition without surrendering on other principles which to me are hope and light.

Let us and all dry Democrats agree to fight to hold national Prohibition and secure enforcement, even if we do not see eye to eye on all things. Those of us in the South have peculiar conditions which compel solidarity. I cannot ignore that compulsion, for Republican success in the South would reopen a Pandora's box of evils from which we have suffered. It would, too, convert a dry South into a wet South, for Southern Republicanism in the main has been as wet as Southern Democracy has been dry.

Sincerely yours,

JOSEPHUS DANIELS.

Reply of Mr. Edmonds.

Baltimore, September 7, 1928.

Hon. Josephus Daniels,
Raleigh, North Carolina.

My dear Mr. Daniels:

In reply to my question as to whether as a member of the Cabinet you protested against Secretary Houston's policy of deflation, you frankly admit that the drastic deflation of 1920 was brought about by the action of Secretary Houston of the Treasury Department and the Federal Reserve Board, against which you vigorously protested. And yet, Mr. Daniels, you sat in the Houston Convention and listened to Claude Bowers denounce the Republican party for this deflation campaign without a word of protest then or afterwards so far as I have been able to learn. Were you not in that respect responsible for attempting to mislead the voters of this country by your silence then, and your silence afterwards until in answering my question and defending yourself you threw the blame of the fearful deflation of 1919 and 1920 upon Secretary Houston and the Federal Reserve Board? It seems to me that in this respect, while trying to save yourself from criticism, you have damned your own party, because there has been a constant effort to throw the responsibility of deflation upon the Republican party.

You now freely admit that the deflation campaign, which brought upon the farmers and the business men of this country a loss of \$50,000,000,000 in the value of property and in crops within a period of two years, was brought about by the drastic deflation campaign of the Treasury Department and the Federal Reserve Board, every member of which had been appointed by President Wilson. Not only do you admit this, but you say that you protested against it, realizing the great damage that was being done to the country at large and to your party.

John Skelton Williams, Comptroller of the Currency and a member of the Board, stood alone in that Board in his fight against deflation; and from the time he resigned as Comptroller of the Currency to his death he was unceasing in presenting the facts in regard to deflation. But you kept silent. You never let the public know that you had realized that the action of your own party was destroying national prosperity; and while you admit that you urged a change of policy on Secretary Houston and Governor Harding of the Federal Reserve Board, and even on President Wilson, you made no public statement and have never before, so far as I have learned, made a single protest publicly against such action.

You have made a frank admission. In the course of your letter you say:

"You ask: 'Did you, Mr. Daniels, as a member of the cabinet, protest against Secretary Houston's policy?' My answer is that I did protest not once but repeatedly. Upon my return to Washington, after a visit to North Carolina and Nebraska where I became better acquainted with the distress existing, I went at once to the Treasury Department to see Mr. W. P. G. Harding, chairman of the Federal Reserve Board. I told him of some deplorable instances that had come under my observation, and urged him to change the course being pursued to avert the disaster. 'We are both Southern men,' I said, 'and are concerned about the distress in our section, and I have come to see you to urge such changes as will enable farmers and others to meet their obligations by postponement until the situation improves.'

He was courteous, and when we grew very far apart in our discussion, he said: 'Why, if you feel so deeply about this, do you come to me? Why don't you take the matter up with your cabinet colleague, Secretary Houston?' My reply was that I came to him first because I thought as head of the Federal Reserve Board, if he knew the conditions in the South and West, he would take the initiative and present to the full Board the true conditions and recommend to it a policy of gradual deflation in place of the policy inaugurated. He was convinced the course in operation should be continued. I told him I was disappointed that he could be so calm when business was going broke, farmers were being ruined, and banks were in trouble.

"I went then to see Secretary Houston and told him how bad conditions were in the South and West and what I had said to Harding. He defended the course being taken as necessary to prevent the dollar going below par and said to do otherwise would bring more serious conditions than those I described as existing."

You also stated that Mr. Houston's "mind was closed to argument," and you added:

"That is Houston's way. When he has completed his studies and reached a conclusion, nothing can shake him, not even a near-panic. He said I was stampeded by my fears and he felt he understood the situation better than I did. He was adamant to my suggestions."

In other words, though a member of the cabinet you had no influence whatever, as you frankly admit, with Houston and Governor Harding; and that while you went to President Wilson, he simply referred you to Secretary Houston. I firmly believe that if Mr. Wilson had not been ill, leaving largely to others the handling of governmental affairs, he would have realized the tremendous destruction that was being brought upon the country by men whom he had appointed, and would have used his utmost power to prevent the carrying out of their plans.

When you went to President Wilson to protest against the work of Governor Harding and Secretary Houston you say:

"President Wilson asked: 'Why do you not take this up with Harding?' And your answer was: 'that I had done so, but that Houston with his customary confidence in the judgments he had reached, and reached after study, was so convinced he was right that I could make no impression upon him. I added:

"'I am rather of the opinion Houston thinks I am too much influenced because I have found in my travels that the policy is going to work havoc with our party in the coming election.'"

You have to admit, Mr. Daniels, that it did work havoc in the party; but far worse than that, it worked havoc in the country.

Continuing your letter and referring to your visit to the President, you write:

"He had great confidence in Houston's ability and integrity, both fully justified, as I had. I saw that the President, seeing the matter was one under the Treasury, was disposed to leave the policy to Houston and the Federal Reserve Board, which he did, and I did not have the heart to press upon him any study upon his own part."

Further in your letter you say:

"President Warren G. Harding resolved to reappoint W. P. G. Harding, Alabama Democrat, to his position on the Federal Reserve Board. That expected appointment, credited to the big money interests, created great resentment, which aroused the Senate. The result was that Western Republicans and Democrats were able to prevent his reappointment and

Mr. Harding was given a position with one of the big banks of the East."

I know full well that a number of senators did quietly plan to oppose the confirmation of Governor Harding if he should be reappointed; but I also know that despite the tremendous effort of big financial interests to secure Governor Harding's reappointment, President Harding determined not to appoint him and that too without regard to the action of the senators who proposed to fight his reappointment. I know that big financial interests pressed the reappointment of Governor Harding with tremendous power, but President Harding determined, notwithstanding that pressure, to get rid of Governor Harding. He appointed as Comptroller of the Currency and who thus became a member of the Federal Reserve Board, Mr. D. R. Crissinger, whose views as to deflation were directly contrary to those of Governor Harding and Mr. Houston. As soon as Governor Harding's term of office ended, Mr. Crissinger was appointed Governor of the Federal Reserve Board and completely changed the policy which had been dominant in that Board. On July 14, 1921, Mr. Crissinger, in a public address, said:

"It is a fundamental truth that banking systems are designed to help business and enterprise rather than industry and enterprise are to help banks earn the largest possible returns.

"I cannot too emphatically say that I do not believe deflation in currency and credits can go hand in hand with a regime of high interest rates, without imposing great and dangerous hardships on the people. If that be financial heresy or economic treason make the most of it.

"Falling prices and high interest rates are never the twin sisters of prosperity and no more for the banker than for the general public. High interest rates and prosperity were never bedfellows."

My Washington correspondent, who was in close touch with the whole situation and who, by the way, was not a Republican, writing me in regard to the tremendous effort made by big financial interests to secure the reappointment of Governor Harding, and referring to President Harding's refusal to do so, said:

"The refusal to reappoint Governor Harding is one of the bravest acts that any President of the United States ever did."

You are an enthusiastic believer in the League of Nations and in your letter express the thought that the refusal of the Senate to adopt the League of Nations was one of the things which helped to bring about the world's business depression. In that I am sure you are entirely wrong. It was not until the deflation campaign of the Federal Reserve Board began to have its effect that the world began to realize the full effect of it and entire without regard to the League of Nations there came a terrific drop in prices in this country and abroad. You saw cotton drop from 40 cents a pound to 10 cents a pound, and wheat and corn and hogs and cattle drop proportionately; and yet as a member of the Cabinet you made no public protest whatever. You have merely contented yourself with personal protests to those who were guilty of this act, which, if it was not criminal, was the most stupendous financial blunder in history. You saw business going to the dogs; you saw that the farmers were being made bankrupt by hundreds of thousands; you saw misery everywhere, and yet you kept silent; and even when Claude Bowers in his so-called keynote speech tried to throw the entire responsibility for deflation upon the Republican party you sat silent in that convention, and remained silent ever afterwards until I put to you the frank question as to whether you had ever made any protest.

You are, of course, entirely familiar with the fact that in order to sell Government bonds the Treasury Department and the Federal Reserve Board urged the people of the country to buy bonds to the limit. It was promised that the banks would carry these bonds on margin payments until they could be paid for in full out of earnings. You saw millions of people strain themselves to the last dollar of their ability to buy these bonds, having boundless faith in the credit of the United States. And then you saw the order go forth that the banks were to call the loans on these bonds, which brought about a decline in price from par down to 82 and 83. And then you saw the Treasury Department, responsible for persuading the people to buy the bonds, responsible for the banks calling the loans on them, boast that it had bought in \$2,000,000,000 of bonds at these low prices, glorying in the fact that it had saved the Government several hundred million dollars, though every bond forced upon the market in that way was a dishonor to the Federal Government and to the men responsible for it. It meant that millions of people who

in their good faith in the Federal Government had bought these bonds, were impoverished by being forced to sell them at the low prices produced by the action of the Federal Reserve Board, influencing the banks of the country to call all loans on them.

You claim that I do a grievous wrong to honest officials "when you assert that there was a robbery by the Government through its agent of \$50,000,000,000," and you say: "I do know that not a penny of dishonest money stuck to the palms of any Democratic official."

I had no idea, Mr. Daniels, that you were so infallible in your knowledge that you know exactly what every official in that administration did, or did not do. I am surprised that any man could dare to make an assertion so broad as that, because dishonest men are found in every party. Neither the Democratic party nor the Republican party is entirely made up of saints who have never used any opportunities to enrich themselves. Surely you wrote that sentence without stopping to think, for you will remember that some Democratic officials have been proven by the courts to have been guilty of robbery.

You say: "The Teapot Dome scandal did have the condemnation of the Supreme Court and directly or indirectly compelled three members of the Coolidge cabinet to retire."

Not for one moment am I attempting to defend those who were responsible in any way whatever for the Teapot Dome scandal; but do you not remember that the Federal Courts and the Supreme Court repeatedly denounced in most vigorous language the actions of the Federal Reserve Board, the Supreme Court in one case even declaring that its action was "war upon state institutions"?

You write that "following the Armistice wages soared and there was a fury of rising prices. Men bought land at three or four times its value and the captains of industry returning from Europe told us the market there would afford sale for everything we could make or grow."

You probably overlook the fact that the Federal Government itself stressed upon farmers to increase their acreage and raise as large crops as possible to meet the demands which it was thought Europe would put upon us; and when this acreage had been planted and these crops had been raised at very high cost, Secretary Houston over and over again denounced the high prices that were prevailing and thus caused a shudder to run through the whole country.

You are doubtless familiar of course with the secret meeting of the Federal Reserve Board and the Advisory Council on May 18, 1920, when at an all day session, in which many of the members urged still further deflation, Governor Harding closed the meeting with the statement that it must be understood that what had taken place that day was strictly confidential, and that when the newspaper people came to him for information as to what had been done he would turn them off by discussing the weather. Knowing, as the members of that Advisory Committee and the members of the Board did, that continued deflation would bring about a terrific decline in prices of farm products and securities generally, every man cognizant of the situation had the opportunity to make a vast amount of money without any risk. I sincerely trust that no man was guilty of using that inside information for his own personal profit, but there were many rumors leaking out at that time that some business men were given tips as to how they could make money, knowing that deflation would be carried out.

You probably remember also that it was impossible to secure a report of that meeting until in 1923, when 100 copies of the stenographic report were issued for the benefit of those in attendance at the meeting held nearly three years before. A member of the Board who had vigorously fought this deflation campaign sent me his copy. I published a nine page article summing up exactly what was said in the meeting, and without a single misquotation; but because it attracted such wide attention Vice Governor Platt wrote me that he proposed to try to get all who were in attendance to join in a libel suit. I presume for the purpose of shutting up the MANUFACTURERS RECORD in its fight against deflation. It is needless to say that that suit was never brought, for at least some of the men must have had knowledge enough to know that if they had undertaken a plan of that kind it would have made them guilty of criminal conspiracy and they would have been subject to libel.

In your bitter opposition to a protective tariff you are going directly contrary to the tariff plank adopted at Houston, and to the views of thousands of manufacturers and of farmers throughout the South. You ask: "Why are wheat, cotton and tobacco selling today below the cost of produc-

tion?" One answer as to wheat is that Canada has raised its record crop of 500,000,000 bushels; Australia has raised a big crop, and there is this year a surplus of wheat over the consumptive power of the world.

As you well know, there has been very great depression in the cotton industry in Great Britain, a more serious depression probably than has existed since the Civil War days; but Great Britain is a free trade country and, therefore, surely you cannot charge its depression to the protective tariff. Because Great Britain has not been able to buy cotton as freely as in former years, and because Southern farmers plant a larger acreage in cotton than the requirements of the world justify, cotton has not brought a profitable price to the growers; and until the Southern farmers cease to keep on increasing their acreage in cotton, contrary to the view of every economist in the country, to a greater extent than the world requirements justify, cotton will not bring a fairly profitable price to the average cotton grower.

To every question raised by you there is a complete and abundant answer, but since you are wedded to free trade it would be a waste of time to go into further details on that point.

The entire question at issue is as to how you, a rank prohibitionist, can support the wettest presidential candidate that this country has ever known. You, of course, cannot deny the fact, however much you may wish to do so, that if Smith should be elected it would herald to the world that prohibition had been a failure in America, and we would thus slap in the face all of the people in other countries who are struggling to advance prohibition and begging us as a nation to hold fast. You know full well that if Smith should be elected it would be regarded by the country as a mandate to change our prohibition laws, and that Governor Smith would be as active in trying to do that as his whole history proves in his work in New York.

In 1927 you wrote as you freely admit to an inquirer from California as follows:

"I think it would be a fatal mistake for the Democratic party to nominate a man with the wet record of Governor Smith, and I could not stand for any wet."

And yet, Mr. Daniels, you are standing for a wet, and for the wettest candidate that this country ever put to the front. I venture to say that for once you were a prophet when you said that it would be a fatal mistake to nominate a man with the wet record of Governor Smith. That prophecy I trust will be fulfilled, and thus you will be able to acclaim yourself as a prophet; but how will you possibly save your conscience in upholding Smith when you distinctly wrote "I could not stand for any wet." You are standing for Governor Smith. You are going directly contrary to the claim that you made, and you are doing your utmost to elect a man whose very nomination you said would be "a fatal mistake for the Democratic party."

Sincerely yours,
RICHARD H. EDMONDS.

In a subsequent letter to Mr. Daniels, the editor of the MANUFACTURERS RECORD wrote as follows:

"I am dictating this letter at my house, as I am not feeling quite well enough to be at the office today.

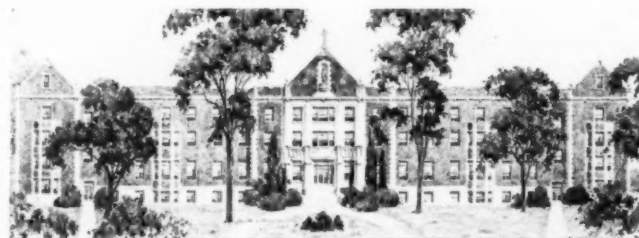
"Replying to yours of September 1, you express your surprise that Mr. Hoover remained in an administration which was honeycombed with corruption. You have no possible means of knowing that Mr. Hoover had any knowledge whatever of the corruption which was going on and which you have in mind. But you remained in the cabinet when you knew that the chances of your own party in the next election were being destroyed by a deflation campaign which was wrecking the agricultural and general business interests of the country. If you had only resigned from the cabinet—and the excuse was certainly greater than any you could possibly charge against Mr. Hoover for not doing so—and boldly given your reasons for it, and fought against deflation, you would have made yourself a national hero. But now you are forced to admit that your own party was responsible for this fearful deflation from which the agricultural interests of America cannot possibly recover, regardless of what the Government may do, for many years to come. Tens of thousands of farmers were bankrupted, and you knew exactly what was taking place and you only protested individually and not through the public, or by resigning and fighting in the open.

"Surely you, my good friend, are not in a position to criticize Mr. Hoover for not resigning from the cabinet in which

he could not possibly know that criminality was under way, since criminals do not tell their friends and neighbors what their plans are; while you knew exactly what Secretary Houston and the Federal Reserve Board were doing towards wrecking this country."

\$750,000 College Buildings to Be Erected in Prince George County, Md.

Plans are expected to be ready about October 1 for a \$750,000 group of buildings to be erected at Brookland, in Prince George County, Maryland, near Washington, D. C., for De La Salle College of the Christian Brothers. The buildings will be designed in the Ecclesiastical Tudor style, the initial



DE LA SALLE COLLEGE FOR CHRISTIAN BROTHERS.

unit to accommodate 100 scholastics and 150 other students. Provision will be made to erect additions as conditions warrant. The basement of the initial building will contain recreation rooms, boiler room, mechanical equipment and storage rooms, while the ground floor will provide space for two lecture rooms, dining halls, gymnasium, swimming pool, six class rooms and four laboratories. The first floor will be devoted to a lobby, offices, library, reception rooms, study halls, thirteen class rooms, scholastics' assembly room and a chapel to accommodate 600. On the second floor an infirmary will be provided, in addition to 100 bed rooms and study halls, and on the third floor there will be 120 bed rooms and study halls. Milburn, Heister & Co., Washington, are the architects.

Gas Plant and Distribution System Completed.

Laurel, Miss.—This city recently celebrated the completion of a new gas plant and distribution system here for the Mississippi Gas Company, managed and operated by the organization of Francis R. Weller, Inc., consulting engineer, Washington, D. C. The plant is equipped with a 6-foot Steere water gas machine, reciprocating compressors, high pressure storage tanks and purification apparatus. The distribution system consists of welded steel mains with service governors and iron meters on each consumer. The Parker-Russell Mining and Manufacturing Company, St. Louis, were the general contractors.

West Virginia County to Vote on \$1,500,000 Bonds.

Wellsburg, W. Va.—Brooke County will vote November 6 on a bond issue of \$1,500,000 for the construction of a \$400,000 courthouse, for building roads in Cross Creek and Buffalo districts and for paying what remains of an \$800,000 bond issue of 1916. In the event of a favorable vote, it is estimated that approximately \$750,000 will be available for roads.

14-Story Medical Arts Building Planned.

Monroe, La.—Dr. W. S. Kendall of this city, and Dr. J. B. Kendall, Ruston, La., are promoting the erection of a 14-story medical arts building here, construction to start within the next few months. The three upper floors will be devoted to hospital service, while the remaining floors will provide space for 250 offices.

A Worker for County Upbuilding.

HOW JOHN W. GREER WORKED A REVOLUTION FOR THE PUBLIC GOOD.

[Special Correspondence Manufacturers Record.]

Cordele, Ga., September 8.

Following a survey of Crisp county under the "Plan of Work" adopted at the instance of John W. Greer, constructive results are developing in a substantial manner. Under the "five-year plan" as directed by Mr. Greer, eight new industries have opened for business, one limestone deposit is being developed and another is in course of financing for development, and many civic improvements have been adopted, while other new enterprises and further improvements are seen on the county horizon.

One of the first results of the survey was disclosure of a fine power site on the Flint River, opposite Cordele, and not only has this been surveyed, but the county has obtained legal authority to own the site and to construct, operate and maintain a 14,000 horsepower hydro-electric plant, to cost approximately \$1,250,000. Plans for the project have been approved by the War Department, contract has been awarded and the work soon will be well under way.

Such county development, however, is not an experiment with Mr. Greer, or even, indeed, his first achievement in that line. As he puts it:

"At the request of a prominent Georgia lawyer, I once wrote a book, 'Looking Ahead,' which became the source of the 'five-year program' in the South. Then, he and several others asked me to 'try it out' in his county, and I went to work. Already I had put the idea into practice in more than one county, one of which now has the largest agricultural income of any county in Georgia, to say nothing of 27 factories with an industrial payroll three times as large as the average county of its population.

"In another county in which the 'five-year program' was instituted, the survey of the county, which always is a part of the program, disclosed a fine waterpower site, two beds of commercial lime and a great bed of fullers earth, all of which are coming into development, the waterpower by the county itself. Also, a great hardwood mill was established and seven other factories to handle local products.

"In Coffee county, the Savannah News became interested in the movement and exerted hearty cooperation—and not only has it profited through increase in business, but also it sees future development for the counties in the Savannah trade territory, that will make it a bigger and richer city.

"The big idea in making a 'five-year program' for a county is the fact that everybody in the county is helping to make it, which results in everybody getting his mind on the resources and possibilities of the county, everybody thinking the same thoughts in the same direction; and a county full of people doing this cannot fail in accomplishing what they set out to do. It sells the county to its own people. The old-style chamber of commerce was mainly a 'boosting organization,' of short duration, without purpose or plan and with very little money to run on; but, with a 'five-year plan,' the job is an everyday business grind, set to work for a period of five years on a task that will keep it busy for that duration and, since the initiative has all been furnished, and the work laid out, it requires no expert and no great expense, and the rural county with a small population can have as good organization as a large city, and one that can be maintained.

"The 'county plan' is no longer an experiment. It has been tried out in five counties in Georgia and every one has done more than was promised for the venture. It works. It is practical. It gets results and it is not expensive. It gets the citizenry of a county around the table, puts the county's resources on the table and says, 'Now, here they are, what are we going to do with them during the next five years?' Orderly planning makes almost a perfect and sure development; it begins without balking and proceeds without fits and starts, and it continues to the end with confidence that the work will be done."

Successfully to carry out such great work requires versatility, and Mr. Greer is a versatile man. For two years, he taught school; for a year, he owned and published the Doug-

las (Ga.) Breeze; he was a reporter on the Macon Telegraph, and later published the Waycross (Ga.) Journal—"the first secular newspaper I ever knew or heard of that declined to publish whiskey advertisements," says Mr. Greer. And as sidelines to his activities he started agricultural diversification in various sections; he promoted a car factory in Waycross, and he arranged satisfactory settlement of a strike on the Atlanta, Birmingham & Atlantic Railway.

But probably greatest of his achievements was the waging of a successful movement for abolition of the peonage system long in vogue throughout much of Georgia. "Wading into the job with gloveless hands and calling a spade a spade," he was threatened with physical violence by men who found profit in the system; but, with co-operation from Judge Emory Speer of the Federal court, he finally won out.

In his life up to that time, Mr. Greer, who is a native Georgian, had seen the ups and downs of Southern agriculture; he had seen the price of cotton drop from \$1.03 a pound to 3 cents; he had observed the failure of Southern farmers from 1876 on, when cotton became a one-crop system, and he had seen the rapid desertion of the farms by the younger generation, because there was no life on the farm for them then and none in sight for the future. Throughout his business life, he has endeavored to improve rural and urban conditions. Of himself, he says, simply:

"I have never been a money-maker, never accumulated much, and only ask for my daily bread and resources to educate my two fine boys, one of whom is now in the university and the other in high school. My wife and I came to this agreement years ago: 'We would do our whole duty to God and man without fear of poverty, persecution or disfavor among men,' and if that policy finally brought us to the poorhouse we would accept our lot without bitterness and, with goodwill to all, sink into oblivion, loving our hearts out in doing what little good we could even to the end. My loyal and loving wife is a heroine and never has flinched from the bargain. Indeed, she has done for needy humanity more than I have done for economic life in the South."

So it is that Mr. Greer has traveled through all the 161 counties of Georgia, organizing the 2600 towns and villages into the Municipal League of Georgia, promoting good roads extension and working on other constructive activities. At present Crisp county engages his attention, but he will be an influence for good in many other sections also.

\$49,000,000 Expenditure for Long Distance Telephone Construction in 1928 Approved.

An additional expenditure of more than \$11,000,000 for constructing long distance facilities during 1928 has been authorized by the American Telephone & Telegraph Co., according to an announcement by T. G. Miller, general manager of the Long Lines Department, made necessary by the unusually rapid growth in the number of long distance calls. This brings the total appropriations for new construction this year on the longer haul telephone circuits of the Bell System to over \$49,000,000, as compared with \$36,406,000 expended in 1927. Long distance lines in all sections of the country will be improved, including three transcontinental routes. The projected New York-Atlanta telephone cable, which at the beginning of 1928 had reached Petersburg, Va., will be pushed southward to Charlotte.

Estimates at the beginning of 1928 called for 1367 miles of new telephone cable construction. Under the new program the completion of 1600 miles by December 31 is proposed.

Skid Shipment of Materials.

NATIONAL STANDARDS OF EQUIPMENT DIMENSIONS ARE ADOPTED.

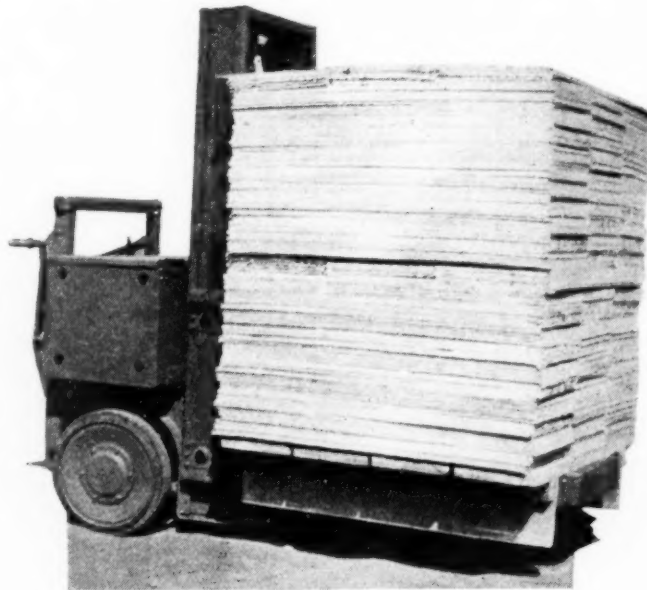
By THE SOCIETY FOR ELECTRICAL DEVELOPMENT, INC., New York.

Skid platforms, commonly called "skids" consisting essentially of a flat platform supported above the floor on runners or corner posts, have been used for years to handle and store goods in individual plants and warehouses. About 9,000,000 "dead" skids (without wheels or casters) are in use. They are moved by hand or electric lift trucks. About 90,000 hand lift trucks and 8000 electric lift trucks are now in service. Annual production of trucks and skids by 17 manufacturers is about \$16,000,000, not including skids made by users. Electric lift trucks are fairly well standardized as to the major dimensions of height and width of lifting platform. Hand lift trucks are made in greater variety, but some standardization has been accomplished. Standardization of trucks and skids is favored by manufacturers.

Direct cost of material handling in this country is estimated at \$3,500,000,000 per year by the American Society of Mechanical Engineers and by equipment manufacturers. Of this amount \$700,000,000 is estimated as the cost of handling, loading and unloading goods, which can be shipped on skids. No comprehensive survey has ever been made of the cost of these operations. Figures secured from shippers show direct savings from 25 per cent to 90 per cent in cost of packing, handling, loading and unloading, resulting from the use of skids for inter-plant shipment. Total possible savings are estimated from \$200,000,000 to \$500,000,000 per year, but in order to accomplish such savings national standards of dimension are essential. Equipment manufacturers have done a large amount of preliminary work and believe it is possible to reduce variety to not more than two standard heights, one standard width between runners, and two or three over-all dimensions of length and width, preferably in multiples for convenience in warehousing.

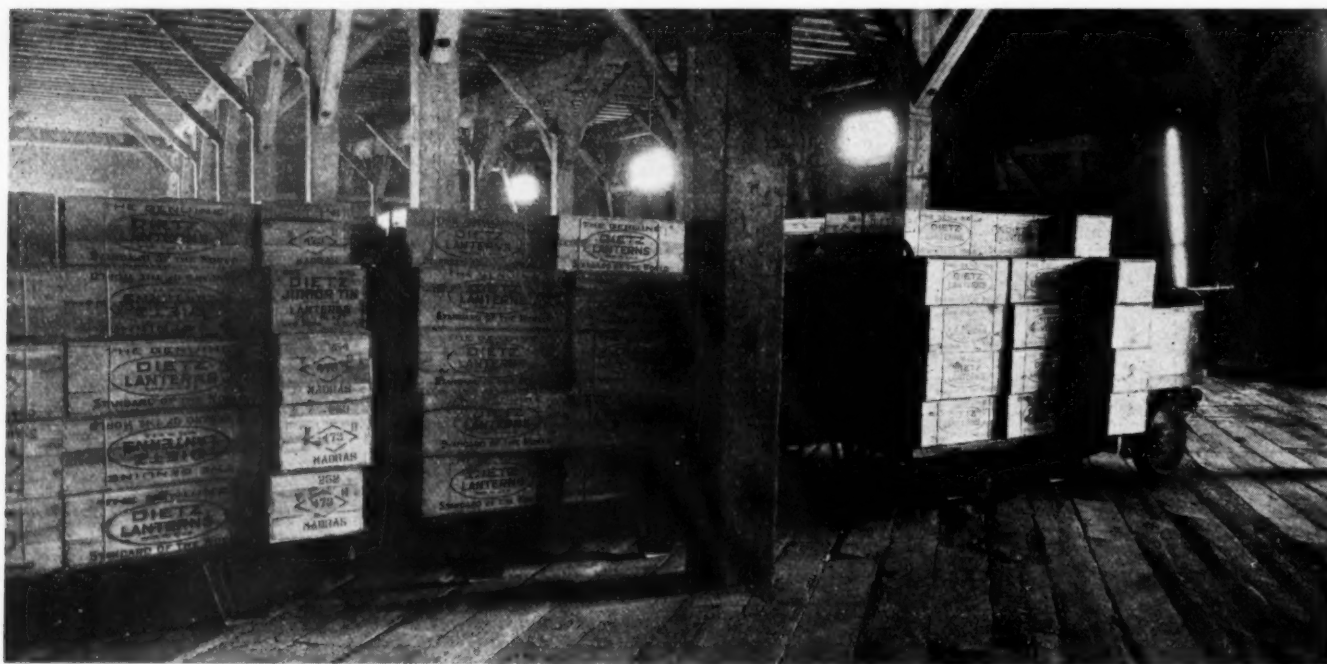
The principal savings will accrue to shippers, but railroads will benefit through faster loading and unloading of cars, and heavier car loadings in certain commodities. Manufac-

turing plants will benefit through easier maintenance of a steady flow of material. Benefits of this kind have already been secured by both shippers and railroads, but have been limited by lack of interchangeability of equipment. Hundreds of firms already handling goods on skids in their own plants



SKID HANDLING OF SMALL PIECES REDUCES HAND LOADING COSTS.

could and would ship those goods on the same skids if equipment were interchangeable. Certain large corporations having several plants have bought interchangeable equipment and ship regularly on skids between plants. Other corporations, notably in the automotive field, now require parts and supplies to be shipped to them on skids. Equipment manufac-



MISCELLANEOUS FREIGHT STORED ON SKIDS BEING TRANSFERRED FROM WAREHOUSE TO LIGHTERS.

turers' lists, including over 25,000 users of skids and trucks, show commodities loaded on skids range from large single machines down to all sorts of small package goods.

There were recently held in Washington three conferences at which shippers, carriers, warehousemen and manufacturers of equipment first discussed the possibility of adopting na-



POWER TRUCK, CARRYING LOADED SKID, ENTERING FREIGHT CAR.

tional standards which would make this equipment interchangeable in use. At the sessions of the final conference, the following standard dimensions were adopted as national standards: "That the clearance height from bottom of runners or other supports to underside of platform be 8 inches and 12 inches and that the minimum horizontal distance between inside of runners or other supports be 27 inches." The manufacturers approved the date of October 1, 1928, upon which these dimensions would become standards while the manufacturers of lift trucks stated that after that date they would build their standard lift truck platforms to conform to these dimensions.

Sub-Contracts for Enlarging Sewage Plant.

Fort Worth, Tex.—The Walker Construction Company of San Antonio, recently awarded contract by the City of Fort Worth, at \$778,747, for enlarging the sewage disposal plant, has let the following sub-contracts:

Digester and clarifier equipment—The Dorr Company, Chicago.
Electric wiring and connections—Goolsby Electric Company, Fort Worth.

Excavation—R. C. Montgomery and Jack Neal, Fort Worth.

Reinforcing steel, structural steel and steel sash—Fort Worth Structural Steel Company.

Other sub-contracts will be awarded later and materials purchased. D. L. Lewis is the city engineer and Hawley & Freese, Fort Worth, consulting engineers.

21,000 Horsepower Hydro-Electric Project Proposed.

Hinton, W. Va.—Application has been made to the Federal Power Commission by the West Virginia Hydro-Electric Company for authority to construct a concrete dam with a head of 32 feet, on the New River, near Hinton, in Raleigh and Summers counties. The project would involve a reservoir one mile long and a power house for the installation of three hydro-electric units of 7000 horsepower each.

\$8,000,000 INDUSTRIAL SECTION PLANNED FOR NASHVILLE.

Railroad Track and \$1,000,000 Warehouse to Feature Development—Other Structures Projected.

Nashville, Tenn.—With the recent organization of the Terminal Warehousing Corporation here plans were inaugurated for developing a new industrial section accessible to the Union Station switch yards and suitable for important industries and shipping firms. The company has the co-operation of the Nashville Terminals Company, the Louisville and Nashville Railroad, the Nashville, Chattanooga & St. Louis Railroad and the Commerce-Union Bank of Nashville, in the development of sites along Eleventh avenue, north, from Broadway for a distance of 9 blocks. The entire cost is estimated at \$8,000,000. Present plans call for the immediate erection of a \$1,000,000 modern, reinforced concrete warehouse for public storage and terminal warehousing of all types of merchandise, and for the construction of a railway lead track on Eleventh avenue, from Broadway to Jo Johnston avenue.

An ordinance has been passed by the City Council granting permission to build the proposed track and work on it will begin at once, with private sidings to serve each block. The warehouse will have a floor space of 300,000 square feet and will be modernly equipped. Space will be provided for offices for brokers, manufacturers' agents and for display rooms. In addition to the warehouse, other buildings will be erected north and south of Church street, all of the same general architecture. After reaching the viaduct level they will be set back 20 feet to provide parking and unloading space. Buildings to be erected other than the warehouse will be available for lease to tenants requiring railroad facilities with a Church street frontage. The company will also erect buildings on its other holdings to suit the needs of tenants.

Officers of the Terminal Warehousing Corporation include E. E. Noel, president; J. O. Swingley and J. H. Noel, vice-presidents, and L. H. Little, secretary-treasurer.

\$1,000,000 Contract for Fort Worth Hotel.

Fort Worth, Tex.—General contract for the superstructure of the proposed Blue Bonnet Hotel to be erected here by C. A. O'Keefe, has been awarded at approximately \$1,000,000, to the Bellows-Maclay Construction Company, of Dallas and Fort Worth. The contract includes plumbing, heating, ventilating system, electrical wiring and fixtures and elevators. Contract for the foundation had previously been awarded to the Bellows-Maclay company, and for excavation to C. A. Vilbig, Dallas. The building will be 18 stories and basement, 100 by 100 feet, of brick, terra cotta, reinforced concrete and steel construction. Mauran, Russell & Crowell, St. Louis, are the architects and Elmer G. Withers, Fort Worth, associate architect. W. W. Huff of St. Louis, is the structural engineer.

To Develop 4500 Acres of Texas Asphalt Lands.

San Antonio, Tex.—Arrangements are being made by the Standard Rock Asphalt Company, San Antonio, J. C. Arnold, president, for developing more than 4500 acres of lands in Uvalde and Kinney counties, estimated to contain 15,000,000 tons of limestone rock asphalt. The company plans to lay out a townsite to serve the properties and is negotiating with the Missouri Pacific Lines for the construction of 2800 feet of railway. Buildings on the tract will be concentrated at the proposed townsite and new buildings erected, including dwellings, hotel, superintendent's home, commissary and other structures. A supply yard will be built in San Antonio.

How Barge Transportation Is Revolutionizing River Traffic.

By THOMAS EWING DABNEY, New Orleans, La.

Although the Mississippi and Warrior barge services operated by the Government have made less progress in the matter of the rate structure than a new railroad entering the common carrier system of the country would have done in the same length of time, they have, nevertheless, made a considerable advance in the economic life of the Mississippi Valley. The freight tonnage handled on the Mississippi division in 1927 was more than 10 times the volume of the tonnage in 1919, the first full year of operation. On the Warrior division, the tonnage was more than three times as great. In addition, the service has been expanded by pushing an upper Mississippi service to St. Paul and Minneapolis, from St. Louis.

A large part of New Orleans' foreign trade is directly traceable to the barge line. For instance, New Orleans today would not be handling the thousands of tons of bauxite that pour into the port every month, if it were not for the barge service. A considerable volume of the grain exports is brought by barge, and this business should be greatly increased as time goes on and more grain territory is brought into line by joint rates. Today, the barge line quotes the same transportation rates on grain to be exported via New Orleans as are in effect from Duluth to Montreal via the Great Lakes, and the barge line is getting this business. When certain joint rates go into effect, the Oklahoma and the Kansas territory will be able to send its grain by barge to New Orleans.

At the last session of Congress, the Denison bill increased the capitalization of the Inland Waterways Corporation, operating the services, to \$15,000,000, which trebles the working capital, and this extra money will be spent in new equipment and in establishing new services on the tributaries of the Mississippi as the tonnage develops. But, even more important, the Denison bill also makes it mandatory on the railroads to establish joint rates with the barge line quickly. River rates are 20 per cent less than rail rates. Joint river and rail rates are cheaper than all rates by the amount of the saving on the water haul. The joint rates that have been made so far have been rail-river, or river-rail; they have not been rail-river-rail. This development, too, is now on its way.

The development of the barge service is shown in the following tabulation of tonnage handled since its inception:

New Orleans to St. Louis—In 1918, 23,378 tons; 1919, 104,769; 1920, 160,702; 1921, 443,267; 1922, 559,669; 1923, 710,431; 1924, 849,503; 1925, 910,755; 1926, 1,044,649; 1927, 1,237,452.
New Orleans to Birmingham—In 1918, 10,350 tons; 1919, 130,502; 1920, 200,017; 1921, 228,844; 1922, 260,344; 1923, 269,341; 1924, 222,345; 1925, 231,464; 1926, 296,929; 1927, 398,694.
St. Louis to Minneapolis—In 1926, 978 tons; 1927, 14,061.

The waterways corporation is now operating two fast services a week between New Orleans and St. Louis, and one slow service; two services a week between St. Louis and Minneapolis, and one service a week between New Orleans and Birmingham. The fast service to St. Louis makes the trip upstream in 10 days and downstream in a week. The slow service takes 20 and 10 days, respectively—heavy tows carrying bulk commodities. The Birmingham service takes 10 days. Equipment of the corporation includes: New Orleans-St. Louis division, 11 towboats, 3 self-propelled barges, 78 cargo barges; New Orleans-Birmingham, 3 towboats, 1 self-propelled barge, 50 cargo barges; St. Louis-Minneapolis, 3 towboats, 1 self-propelled barge, 50 cargo barges.

Many business men see in the barge line, strengthened by the Denison bill, one of the most important economic factors in the recent history of the country; one that will be far-

reaching in the development of the South. For, the rivers tributary to the Mississippi extend for thousands of miles into the producing and consuming territory of the Valley, and the barge services are only beginning.

Plans for \$875,000 Government Hospital Building.

Washington, D. C.—Plans for a new medical and surgical building at St. Elizabeth's Hospital at Anacostia, D. C., have been submitted to the Commission of Fine Arts by the Department of the Interior. The building will be five stories, brick, so designed that it will conform to plans for future extensions and fit in with the present buildings. Congress has authorized construction at a cost not to exceed \$875,000, of which \$400,000 is available.

Mississippi Asks Bids on School Buildings.

Jackson, Miss.—The Mississippi Building Commission will open bids at its office in this city September 25 for the erection of two boys' dormitories, girls' dormitory, and girls' dining hall for the University of Mississippi at Oxford. Plans and specifications may be obtained from the Frank P. Gates Company, architects, Jackson. Bids will also be received for the erection of a girls' dormitory, administration and science buildings at the Alcorn (Miss.) A. and M. College, for which plans and specifications may be obtained from Claude H. Lindsley, architect, Jackson.

132,400-Horsepower Hydro-Electric Plant Projected.

A capacity of 132,400 horsepower is contemplated in plans of Robert H. McNeill, Washington, D. C., who recently applied to the Federal Power Commission for a preliminary permit for the construction of a hydro-electric project on the Tennessee and Duck rivers, in Trigg, Marshall and Calloway counties, Kentucky, and Stewart, Henry, Houston, Benton, Humphreys, Perry, Wayne, Decatur and Hardin counties, Tennessee. It is proposed to build a dam 60 feet high at the Aurora dam site, 42 miles above the mouth of the Tennessee River and 5.5 miles north of the Kentucky state line. A power house would be built at the dam.

Details of Roanoke River Power Projects.

Roanoke Rapids, N. C.—The Virginia-Carolina Power Company, a subsidiary of the Virginia Electric and Power Company, Richmond, which recently applied to the Federal Power Commission, Washington, for a preliminary permit for a hydro-electric development on the Roanoke River, near Roanoke Rapids, in Halifax, Northampton and Warren counties, North Carolina, and Mecklenburg and Brunswick counties, Virginia, plans two dams and powerhouses, at sites to be known as "A" and "B", with a total generating capacity of 23,200 horsepower. Construction at site "A" would involve a dam near the head of Clements Island, about 9 miles upstream from Roanoke Rapids, forming a pond extending to the tailrace of the Buggs Island plant of the Roanoke River Power Company, Richmond. At site "B" a dam would be built at the existing dam of the former Roanoke Rapids Power Company, about 7.5 miles downstream from site "A" and 9 miles upstream from Weldon, N. C., forming a pond extending to the tailrace of site "A" and developing a head of about 42 feet. With a power house at each dam, it is estimated that 13,800 horsepower would be produced at site "A" and 9400 horsepower at site "B." Power proposed to be developed would be sold to the Virginia Electric and Power Company for public utility purposes.

Shawnee, Oklahoma, Claimed to Be— “Fastest Growing City in the State.”

A COMMUNITY RICH IN OIL AND IN AGRICULTURAL RESOURCES—PROGRESSIVE BUSINESS MEN A MAJOR FACTOR IN ITS DEVELOPMENT.

By WALTER L. THURSTON.

A few weeks ago I asked a banker in one of the large, well-known cities of the South why his city had not kept pace with other, younger cities. His answer was very enlightening: “This city will not grow as it should until we have a number of first-class funerals. Most of the downtown business property is held by a few old families. These men are immensely wealthy, they are content with things as they are and will neither sell nor improve their holdings.”

The city of Shawnee is suffering from no such handicap; no funerals are needed in this fast growing city, for there are no dead ones holding property and retarding the development of their community. On the contrary, the entire community seems to be very keenly alive to its opportunities and is making the best of them.

Oklahoma, probably more than any other State in the Union, is distinctly a young man's country. The northern and western part of the State was opened for settlement in 1889, and it is in that part that Oklahoma City, the capital, and Tulsa are located. The central section, where Shawnee is, was opened up in 1891, only 37 years ago. Eastern Oklahoma, formerly Indian Territory, was added in 1907 when Oklahoma became a State. Therefore the State has just reached its majority, being 21 years old.

To this newly opened ter-

ritory came men from every part of the country, men who had the pioneer spirit, the courage and energy that builds empires. Of course some bad'uns came along with the rest, as happens whenever there is a large movement of people, but the number was so small that they were easily controlled by the majority and Oklahoma has always been a State where law and order predominated. It was because of this influx of keen, progressive men and women that Oklahoma has forged ahead so rapidly—every State contributed some of its best to make up its citizenry.

Shawnee is situated on the north bank of the North Canadian River, about 42 miles southeast of the State capital and less than 10 miles south of the geographical center of the State. It is reached from Oklahoma City by a splendid concrete highway of the sort that the State is rapidly building in all directions. The city was founded in 1893 by Mrs. H. G. Beard, whose original cabin still stands,

being kept as an historical monument by patriotic citizens. It is the metropolis of Pottawatomie County, of which Tecumseh is the county seat. From this county the entire section came to be known as the Pott Country.

Up to the beginning of this century the town like most



Above—STATE NATIONAL BANK BUILDING.
Left—SHAWNEE NATIONAL BANK. Right—FEDERAL NATIONAL BANK.

other country towns was located in a farming district; its growth was slow, but from 1900 to 1915 Shawnee grew much more rapidly than surrounding towns. The first few manufacturing industries came in 1910 bringing with them a new spirit and a corresponding population increase.

The three railroads focusing at this point have been of great importance in the growth of Shawnee, located as it is on the Rock Island, the Santa Fe, and the Oklahoma City-Ada and Atoka. Both the Rock Island and the Santa Fe maintain shops at Shawnee, those of the Rock Island being the largest railroad shops in the Southwest, with 1,156 employes and a yearly payroll of \$1,966,577.

The city is on three important state highways; No. 3 east and west, passing through the Greater Seminole oil fields; No. 18 north and south, and No. 37, a new highway west connecting with the College highway through Norman to Chickasha. Daily bus lines connect Shawnee with all important centers of the State, operating on frequent schedules.

With a population in 1920 of 15,348, according to the United States census, and an estimated population today of over

30,000, Shawnee has good grounds for its claim that it is "the fastest growing city in the State." The estimate is based on the number of electric meters, the postal reports, and the telephones, the basis now recognized as being the only accurate measure of population between census periods.

What have been the chief determining factors in this rapid growth? First we must place the business men of the city. Its bankers have been men of vision and constructive ability, they have worked in harmony with other business men to build a real city. Factionalism seems to have no place, team work is the order of the day. Second comes the fact that the city is located in the center of a rich farming district. Figures available from two of the railroads entering Shawnee emphasize the resources of the county. Carload shipments of the various Pottawatomie County crops show: Alfalfa and other hay crops, 437 cars; grains, 646 cars; potatoes, 63 cars; mill products, 3,007 cars; fruit and vegetables, 375 cars; cotton, 55,000 bales; cotton seed products, 515 cars; livestock, 193 cars.

The foregoing are actual figures covering a recent year's shipments and each succeeding year sees an increase. Livestock is taking a leading place. There is a large model stock farm two miles north of the city where a splendid herd of "white faces" may be seen. The average yearly rainfall in this section is 33.16 inches, with precipitation fairly evenly distributed over the entire year, some occurring each month. The Pottawatomie County Fair is held annually at Benson Park, a beautiful spot on the Shawnee-Tecumseh interurban line.

Third in importance in the growth of Shawnee come the railroads, furnishing splendid transportation facilities for both agricultural and manufactured products, and affording employment for a large number of skilled mechanics.

And then we come to the cause of the very rapid growth in the past two years, liquid gold. Oil was first discovered in this section on July 1, 1926, at a point 22 miles due east of Shawnee. This was in what came to be known the world over as the Seminole Pool. The oil development extended rapidly to the southeast and south of Shawnee, coming to within seven miles of the city limits, and known as the Earlsboro Pool. The towns of Maud and St. Louis are located in the South Maud Pool, which has proven to be the most productive. It is in this field that the Independent Oil & Gas Company recently brought in a well flowing 20,000 barrels daily. These various fields are all included in what is known as the Shawnee Area, which is producing more high gravity oil than any other area in the United States. No man can afford to spend much time sleeping if he hopes to keep track of the daily developments in this most fascinating of speculative games. Many have found themselves wealthy almost over night. We hear long and often of them, but little is said of the money that is spent in sinking wells, some of which yield very little oil or none at all.

Oil has undoubtedly been the greatest contributing factor in the growth of Shawnee during the past two years, but



THREE ATTRACTIVE RESIDENCES.



NEW HOME IN JEFFERSON TERRACE ADDITION.

there has been no boom. The city has shown a steady growth, and indications are that it will continue to grow in an increasing ratio.

There are three strong banks in Shawnee, all national banks; the Shawnee, the State and the Federal. According to their statements of June 30 last, these three banks had combined resources of \$8,270,849, with deposits of \$7,575,408, as compared with deposits in 1922 of \$4,943,000. There are two local building and loan associations with combined resources of \$3,017,541, the largest being the Fidelity, an association of long standing.

In 1927, building permits reached a total of \$2,610,907. One of the major projects is the new Phillips Hotel, a 9-story structure now nearing completion. This project was the first sponsored by the city's Industrial Foundation Fund. This fund is worthy of special mention and the idea should be copied by many growing cities throughout the country. The plan did not originate in Shawnee, but it is being very successfully carried out here. Those entrusted with the administration of this fund, which is contributed by the business men of the city, are opposed to the giving of bonuses to invite new industries to Shawnee, but they realize that finance plays such an important part in industrial development that it is worthy of first consideration. The community fund idea is based on the conviction that whatever funds are needed to obtain a new industry, or to assist one already established in the city, had best be supplied by an organization set up for the purpose.

The Federal banking laws make it impossible for local banks to furnish such capital at the outset. A revolving fund is in no sense a competitor of local banks, but in reality operates as an aid to bankers in establishing industries that eventually will be valued customers of financial institutions. A very large percentage of the changes of location in industry are made in an effort to secure more capital. This constant change of location was fostered by the old bonus plan, but unless the new industry was an essential and had a good chance to grow and prosper it often changed from an asset to a liability. Under the Industrial Foundation Fund idea each new applicant is given careful scrutiny and the proposed new industry is investigated to determine whether it will succeed in Shawnee, and whether the man at the head has sufficient experience and ability to manage the business. Once these factors are found to be present in sufficient quantity, the necessary amount is advanced from the Industrial Foundation Fund, but never more than one-third of the capital necessary to establish and conduct the new enterprise. In arriving at this percentage no credit is allowed for trademarks, patents or copyrights. Representation on the governing board is demanded by the city, and a careful system of audits is installed. Thus, in a sense, the city becomes a partner in the new enterprise.

In the case of the new hotel, the manager of the Chamber of Commerce, Ford Harper, soon after his appointment to

that position in the summer of 1927, began to figure with different people on a plan for a new and up-to-date hotel. After negotiating with many concerns a proposition finally came from a local man, Hilton Phillips, who had the support and encouragement of a local contractor, G. P. Carr. A local architect, A. C. Davis, was called on to draw the plans. Committees worked diligently, going carefully into every detail of the proposed hotel and the proposition finally resolved itself into this: Mr. Phillips would build the hotel if the community would furnish him with a certain piece of land, centrally located. This was agreed to and \$40,000 was furnished by the business men of the city to purchase the land, on consideration that the hotel would furnish the Chamber of Commerce with a permanent home. Commodious quarters for the Chamber of Commerce will be furnished on the mezzanine floor, and in perpetuity, rent free, and the city of Shawnee will have a new hotel of a sort that would be a credit to any city twice its size.

The city has not lacked hotel accommodation, as the Wal-



ANOTHER JEFFERSON TERRACE HOME.



THESE ADD TO SHAWNEE'S CHARM.

cott Hotel has 138 rooms with 72 baths, and there are seven other hotels in the city. Nor is the city lacking in other features that go to make up a good place in which to live and do business: There are eighteen churches, there is a fine city hospital and a sanitarium, a Carnegie library, there are three fine parks, a country club with a nine hole golf course besides a privately owned nine hole course open to all on a fee basis and a third golf course of nine holes owned by the Elks. There are 285 retail establishments, 12 wholesale houses, 23 warehouses, two daily newspapers, six theaters, and 27 manufacturing plants with a combined output of more than \$8,000,000 worth of goods annually.

One of the major industrial plants is that of the Shawnee Milling Company. It manufactures a complete line of flour, meal, alfalfa feeds, mill feeds and poultry feeds and is the largest plant of its kind west of the Mississippi River.



PHILLIPS HOTEL—TO OPEN NOVEMBER 1.

Recognizing the important part that the poultry industry is destined to play in the agricultural activities of the Southwest in the future, the company has given extensive study to commercial feeds prepared under scientific inspection and after the best of tested formulas. Its products are shipped to all parts of the country.

Shawnee is being efficiently served by the Oklahoma Gas & Electric Company, the Oklahoma Natural Gas Company, the Shawnee Ice Company, the Southwestern Bell Telephone Company, the Western Union and the Postal Telegraph companies. The water system is municipally owned and water from ten driven wells is to be had in abundance and is of excellent quality. The work on the water plant was done by the H. L. Cannady Company of Tulsa. The total cost of the new plant with main extensions was \$586,000. In the past fifteen

months the company has completed 167 blocks of asphalt paving, with combination curb and gutter and has laid 32 miles of new sewer mains and laterals, work involving over \$2,000,000, all within the city limits of Shawnee.

At present the affairs of the city are administered by a mayor and council, but there is a strong sentiment in favor of a city manager form of government and it is said it will not be long before this important change is made, a change regarded as likely to be greatly to the advantage of the city.

The citizens of Shawnee are justly proud of the educational



A DWELLING OF UNUSUAL DESIGN.

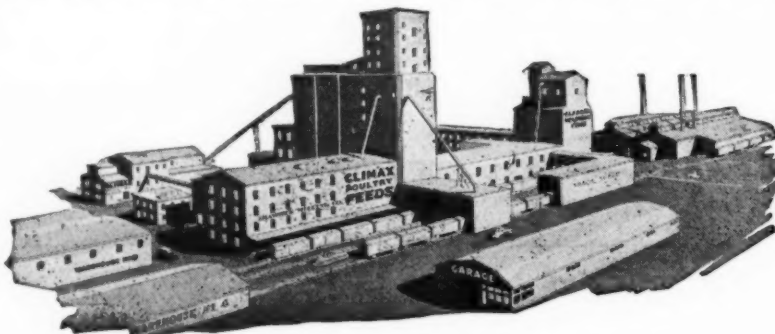
Floor plan in the form of a Greek cross—every room with windows on three sides.

opportunities afforded. The Oklahoma Baptist University has an enrollment of approximately 1500 and is one of the outstanding institutions of higher education in Oklahoma. St. Gregory's Catholic College and St. Benedict's Academy are located at Shawnee. The high school ranks with the best in the State and the junior high school and grade schools are all well equipped. The total enrollment in the city's public schools in December, 1927, was 5992.

A true index to the character of the people in any city is their homes; so in Shawnee one is not surprised to find miles of well-shaded streets flanked by beautiful residences. One would be surprised were it otherwise. These homes are of modern type, with brick construction predominating, although there are many attractive frame houses. A recent residential addition to the city is Jefferson Terrace, on the west. To drive over its broad, smooth streets and see its many fine homes and then realize that a little over a year ago it was open country makes one feel that neither Florida nor California have anything on Shawnee when it comes to speed.

Altogether it is a delightful city in which to dwell with its active, energetic business life, its well equipped stores and its varied social activities. But Shawnee is more than that, it is a city of boundless opportunity. When one considers its rich agricultural background, its educational advantages, its excellent transportation facilities, its possibilities from an industrial standpoint and as a distribution center, and

then adds to all that the fact that there are over 1000 producing oil wells of the highest gravity liquid gold, within from two to 25 miles of the city, one dares not hazard a guess as to what will be the development and the population of the city of Shawnee, Oklahoma, by 1935.



PLANT OF THE SHAWNEE MILLING COMPANY.

Drinking Habits of Men and Women Before Prohibition.

[This country is flooded with statements that the consumption of whiskey has increased under Prohibition and that young people are drinking more freely today than they did in former years. Doubtless thousands of people whose memory does not go far back are misled by these statements. They are made to think that bootlegging and drinking by college students and young women are things of the present day rather than of the past. For this reason the writer proposes to give, for a few weeks, some facts on drinking activities long prior to Prohibition, in order to throw some light upon former conditions when drinking was far more prevalent than it is at the present time.—Richard H. Edmonds.]

Number 3.

A Nashville Banker's Views on Whiskey As an Individual and National Curse in the Past As Well As in the Present.

James E. Caldwell, president of the First and Fourth National Bank of Nashville, one of the leading financiers and business men of that city, in a recent address at the Peabody College for Teachers, gave a denunciation of whiskey which every thoughtful man knows is true. In the course of his address, Mr. Caldwell said:

"But I did not come here to talk of literature and morality. I came out here to speak of a terrible thing, whiskey. Whiskey has been sugar-coated over by high sounding names, such as beverage and intoxicating drink, etc., but it is nothing in God Almighty's world but common whiskey. I am not aware that whiskey ever did me the slightest personal harm. Whiskey never got hold of me. I don't know why, because I have lived in as intimate contact with it as any human being on earth, due to the mere necessity of my situation. When I came to Nashville in 1870, I worked in a grocery store where they sold whiskey just like coffee and sugar. I lived over the store and had to walk between two rows of whiskey barrels to get to my sleeping quarters. A big distillery was nearby and across the street a dance hall and barroom adjoining. I slept in these surroundings by night and witnessed them by day.

"I am talking to you about things I myself know and not what I have heard. I have seen more of what whiskey will do for a man than any other one thing in the world. One of the partners in this store had to kill his partner in self-defense. The Merchant Prince of Market Street, now called Second Avenue, I helped pick up out of the gutter in rags and ruin. Did you ever know anything as disgusting as a drunken man, unless it is a drunken woman? Back in the days when I came to Nashville, there were two public drink houses on every business block in town, and sometimes four or five. In front of my own office, I saw a gray-haired man shoot down his own son-in-law, widowing his own daughter and orphaning his own grandchildren. I could go on repeating these scenes indefinitely. I am not overdrawing this picture. *I am telling you what we have gotten away from.*

"It does look as if men and women have consumed that vile stuff for so many ages that it has tainted their judgment and their intellect to such an extent that it may be half of us are lunatics and don't know it.

"You ask me what I am driving at. Well, I will tell you. We are going to elect a President. One of the candidates is outspoken in favor of repealing the Prohibition law. They call it 'modification.' There can be no modification. Such action would not only bring back all the evils I have spoken of, but it would also be admitting that our government is a failure in enforcing its laws. Are we ready to admit that this government is a failure? If we can't enforce *this* law, can we enforce a *worse* law?

"I said to myself, when I saw so many people still after

this stuff and still wanting it: 'It must have some desert.' But I have yet to meet a man who can offer any excuse for whiskey. I have written to some of the best known men in the country, advocates of whiskey, asking them to prepare a thesis or write a paper on the virtues of whiskey, and they all offer puny, silly excuses for their failure to comply with my request. There is no excuse for whiskey and I am against it. There is a very conspicuous writer in this country by the name of Mencken. He kept glorifying the use of intoxicating liquors. I thought surely he was a man who could answer my question, so I wrote to him. He gave an evasive answer to the effect that this law was put on the statutes by the Baptists and Methodists, who were the meanest people in the world. I wrote him again and asked him to write for me an article setting forth the beauties and advantages of whiskey. He replied that notwithstanding the fact that he had lived in Maryland most of his life, and had consumed several tons of the stuff, he was unable to give any reason for its use.

"What do you think of the president of one of the greatest universities in the world openly advocating whiskey? I wrote him, thinking surely he would be a man to write a splendid thesis on whiskey. I didn't know but that he had written his doctor's dissertation on that subject. He wrote back the puniest and silliest little letter you ever saw in your life. He wanted to make whiskey so plentiful and so public that it would be disgusting. He admitted that he would be the last man in the world ever able to write such a dissertation or thesis as I asked him to write.

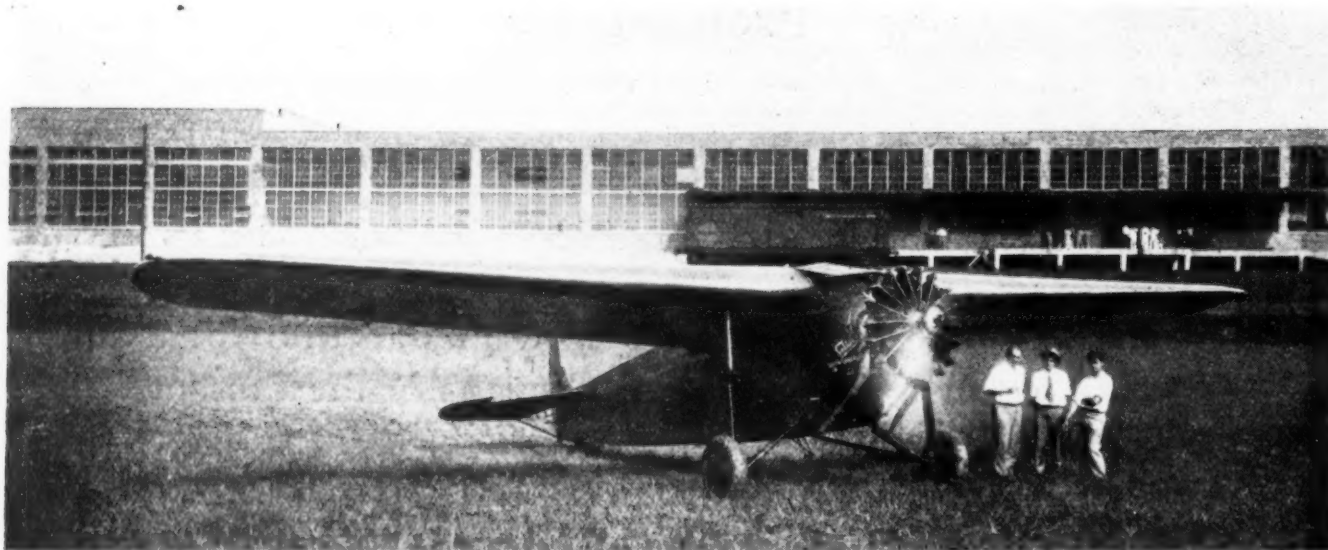
"Now there is one force in the world that is working on the subject. That is commerce. I suppose I say that because I am a commercial man. Commerce is not so good, yet it has sense enough to realize that it cannot be carried on with whiskey. Would you get on a street car if you knew the man operating the car was drunk? Would you get on a sleeping car if you knew the engineer on the train was drunk? Commerce shuts them out. Is there anything in the affairs of life that a drunken man can do, or a drunken woman can do? If so, I don't know it. The wheels of commerce must be turned by sober men.

"I want to sink this in your mind. There is a terrible responsibility on this country, for no people on earth ever attempted as we have to exterminate whiskey. Look back to the dawn of time and you will find that this is the first time that a nation has ever been brave enough to go right up against the proposition. We have done it. Suppose we fail! My God, think of it! The United States of America launching out on a thing like that and failing! Where would the hope of the world rest?

"My friends, you cannot be indifferent when you watch the dealings of crime in the life of a nation and the influence of crime on the destiny of a nation."

(To be continued in our next issue.)

Fokker Aircraft Plant Completed in West Virginia.



The Fokker Aircraft Corporation of America, Inc., recently completed and placed in operation the first unit of an airplane factory at Glendale in Marshall County, West Virginia, in the Ohio Valley. The main building is a daylight structure, 200 by 400 feet, alongside a flying field three-fourths of a mile long. Fokker Model F-10's will be manufactured; these are 12-passenger commercial ships with a wing spread of 80 feet and powered with three Pratt & Whitney 400-horsepower "Wasp" engines. R. R. Kitchen Company, Wheeling, were general contractors for the plant; J. E. Moss Iron Works, Wheeling, furnished the structural steel. This view shows a portion of the plant in the background and a plane of the type to be produced at the Glendale factory, piloted by Capt. Haynes, who stopped at Glendale on his way back to New York City after completing a 20,000 mile trip through Western United States and Mexico.

Industrial Real Estate Specialists to Discuss Phases of Factory Location.

There are factors that point to the one spot on the map of a region or of a city which would be the most advantageous for the success of an industry. What those factors are and how their value may be measured will be studied at a special conference on industrial real estate problems called by the National Association of Real Estate Boards. It will be a special meeting of the entire membership of the Industrial Property Division of the Association held in New York City, October 29-31 at the Hotel Astor.

Heads of industries which are considering the problem of relocation, construction specialists in the industrial field, and transportation specialists dealing with the servicing of industries will be invited to the conference.

George C. Smith of St. Louis, director of the Industrial Bureau of the Industrial Club of St. Louis, will address the conference on what a chamber of commerce may expect of an industrial realtor. Harrison S. Colburn of New York will talk on the service of the industrial property specialist and its connection with railway extension and steamship trade expansion. R. Vernon Clark, East St. Louis, Ill., chairman of the division during 1927, will discuss the meaning to industry of intelligent plant placement. W. H. Daum, Los Angeles, will outline some of the considerations which determine industrial location. W. H. Burchfield, Houston, Tex., will talk on the reasons why an industry in seeking to solve its location problem should call in the services of the industrial realtor. H. Findlay French, Industrial Bureau, Baltimore Association of Commerce, Baltimore, Md., will talk on "creative selling," the ability of a realtor, through familiarity with all the factors of plant location, to visualize the type of business or manufacture to which a given tract of land would be an advantageous site.

A round table discussion on the advertising of industrial real estate will be a feature of the meeting.

35-Mile Railway Line Planned for Texas.

The Interstate Commerce Commission, Washington, D. C., has authorized the Texas-New Mexico Railway, a new corporation, to construct a line from a connection with the Texas and Pacific Railroad at Monahans to the New Mexico State Line. E. F. Mitchell, chief engineer of the Texas and Pacific Railway Company, Dallas, which will finance construction, announces that it is planned to build this line in a northwesterly direction, 35 miles, passing near the town of Wink and through Kermit, the county seat of Winkler County. It is designed to serve the extensive Hendricks oil field. Grading will be light, averaging from 10,000 to 12,000 cubic yards per mile, and there will be no bridging. Track will be laid with relay 85-pound rail by company forces.

180 Exhibitors for Textile Show.

Indications are that the Southern Textile Exposition, which opens in Textile Hall, Greenville, S. C., on October 15 for one week, will be the most interesting and attractive of its kind ever held. The number of exhibitors has now grown to 180, and the variety of machinery in operation will include everything from the opening of the bale to the dyeing and finishing of the fabric. Some of the exhibitors promise innovations in a field which is already filled with thousands of inventions and devices.

\$6,000,000 Hotel Reported for Washington.

Washington, D. C.—According to current reports, the National Hotel Company, of which George H. Calvert, Jr., is president, is considering the erection of a \$6,000,000 hotel of 2000 rooms on the site of the old National Hotel at Sixth street and Pennsylvania avenue. Nothing definite has been determined, according to Martin P. Kean, manager of the National Hotel, although it is said that plans are being drawn for the structure.

Southeastern Shippers at Biloxi Meeting Outline Organization to Further South's Development.

[Special Correspondence Manufacturers Record.]

Biloxi, Miss., September 8.

A feature of the twenty-third regular meeting of the Southeastern Shippers' Advisory Board of the Car Service Division of the American Railway Association, held in Biloxi, September 7, was the inauguration of the movement to sell the South to itself and to the world through the proposed organization of The South, Inc. A steering committee formally to set on foot The South, Inc., was appointed at the meeting, following the address on the subject by P. E. Odell, vice-president and general manager of the Gulf, Mobile and Northern Railroad, Mobile, Ala. The subject of Mr. Odell's address was "Southern Service." He said in part:

"I want to talk to you about this South of ours. In its construction, there have been welded together the essential elements of a forward looking civilization—an almost pure Anglo-Saxon culture and tradition, the political creed of the individualist, the social code of the true democrat and an economic system free from the socialist theories imported from continental Europe. In a world which seems to be inclining more and more towards that condition of economic stagnation fostered by the modern types of political feudalism, there ought to be no limit to size and the dominant character of the industrial superstructure which such a foundation will support. We are here to discuss this superstructure. We are here to devise ways and means to aid in its proper construction.

"The South, indeed, is today on the threshold of an era of material and industrial progress almost unlimited in its possibilities. The first thing which must be done is to sell the South to itself. Self-confidence is essential to progress. The South is endowed with an almost inexhaustible wealth in its soil, its rivers, its mines and its harbors. All that is needed to establish and perpetuate an empire of social and industrial achievement is to tell the people of the South what they have and to seek their hearty, unselfish and vigorous co-operation in the proper use and enjoyment of their heritage. We must recognize the present industrial invasion as an actuality, not as a myth, and the South must be taught to appreciate the close relationship between it and agricultural development, a relationship which, if properly fostered, gives every assurance of permanent prosperity.

"As I have said, selling the South to itself is the first problem which must be considered in this new reconstruction epoch. The second problem is the selling of a united South to the rest of the world. The third problem is the proper guidance of the coming development so that it will be continuously fruitful and so that the future will not be threatened by devastating reaction. I propose that we take here a definite step not only to sell the South to itself, but to sell it to the rest of the world. I propose that we stop talking about the glories of the South and go to work to prove them. I propose that we take steps at this time to form an association to be known as 'The South, Incorporated.' Its slogan will be 'To sell the South to itself and the rest of the world.' Its chief objectives and purposes will be as follows:

"1. To lend its efforts, as a solid body of Southern interests, to increase the flow of traffic through the Southern States and their ports to and from foreign countries and the Pacific coast.

"2. To use its influence in the enactment of such laws as will be beneficial, and the abolishing of such laws as are barriers to the growth and development of the South.

"3. To use its influence through united action to bring industries to the South.

"4. To act as a medium through which the problems of the South can be ironed out at home.

"5. To maintain representatives in New York, Chicago, London, Rio de Janeiro and the Far East.

"6. To sell the South and its advantages to the world.

"There will be other objectives, of course, and each of the

above will be subject to modification or expansion as the need may arise.

"Such an association with such an extensive program must be well organized, amply financed and permanently established. It must be directed by the most capable men in the country in the various fields to be covered. As a beginning, there should be a 10-year tentative schedule of activities outlined. The appropriation for carrying on the work should be at least \$500,000 annually. This is too big, too vital and too worthwhile a job to accomplish on a 'shoestring' expense account. If the experiment is not worth half a million a year, it will not be worth anything. This isn't a local enterprise. The world is its field, and operations on such a scale cannot be attempted without a thoroughly adequate budget. I think, indeed, the amount suggested is conservative.

"Here then is a tentative plan for a definite organization to promote the South, at a time when the South not only needs promotion more than ever before, but also when it needs a steady hand at the helm to guide it through the tortuous economic channels of the modern and ever-changing industrial age. Naturally, the outline I have given is somewhat tentative. It is all subject to change. Details and the like are more proper subjects for committee consideration, and I have omitted everything but the high points as I see them. What we need to do most of all is to start something, and let us not at first be too meticulous about its form and shape. In all of such movements we must learn by experience, and no detailed organization set-up worked out today is likely to prove entirely satisfactory or to meet the constantly changing requirements five years from now, or even a year from now. What we want now is the will to do. The rest will take care of itself if the spirit is there."

Mr. Odell said that "the absence of government ownership agitation in the South also has proved an effective lure to outside capital and industries," as "nothing is more destructive to individual initiative and to the maintenance of material and cultural progress than the invasion by governmental bodies of the hitherto sacred domain of the private citizen."

At the conclusion of Mr. Odell's address, S. L. Yerkes, of Birmingham, general chairman of the Shippers' Board, called Dr. Henry Mace Payne to the chair as presiding officer. Dr. Payne said that in the past seven years he had become acquainted with the resources of the South and had long advocated their development. He believed that the plan for a group consciousness of the general Southern Industrial Empire would mature. No state and no nation became rich through selling raw materials alone and no section of the country has a greater heritage of raw materials and better climate in which to fabricate it and more ample supply of labor or transportation facilities than the South.

Many short addresses were made by several representative citizens of the Southern States and others.

Members of the steering committee for the development of the plan outlined by Mr. Odell are as follows:

P. S. Odell, Vice-President and General Manager, Gulf, Mobile and Northern Railroad, Mobile. Chairman and members at large: Hugh Morrow, President, Sloss Sheffield Iron and Steel Co., Birmingham; Aaron Lowenstein, Taylor Lowenstein Co., naval stores, Mobile; Charles W. Helzer, Vice-President, South Florida Trust Co., Miami; Major Harvey Bayless, Pensacola; Gordon Saussey, port commissioner, Savannah; Col. B. F. Forgey, editor, Ashland, Ky., Independent; Dr. W. R. Jillson, state geologist, Frankfort, Ky.; A. G. T. Moore, Traffic Manager, Southern Pine Association, New Orleans; L. O. Crosby, President, Mississippi State Board of Development, Picayune, Miss.; W. E. Eddins, President, Gulf States Creosoting Co., Hattiesburg; and Charles Earham, Vice-President, Nashville, Chattanooga and St. Louis Railway, Nashville.

Ten Units of Alabama Mills Near Completion.

Construction is being rapidly completed on mill buildings and dwellings at various points in Alabama, where the Alabama Mills Company, Birmingham, are erecting ten cotton mills for the operation of a total of 100,000 spindles, and machinery has been delivered for a number of units. Mill

of construction and equipment are also in the completion stage.

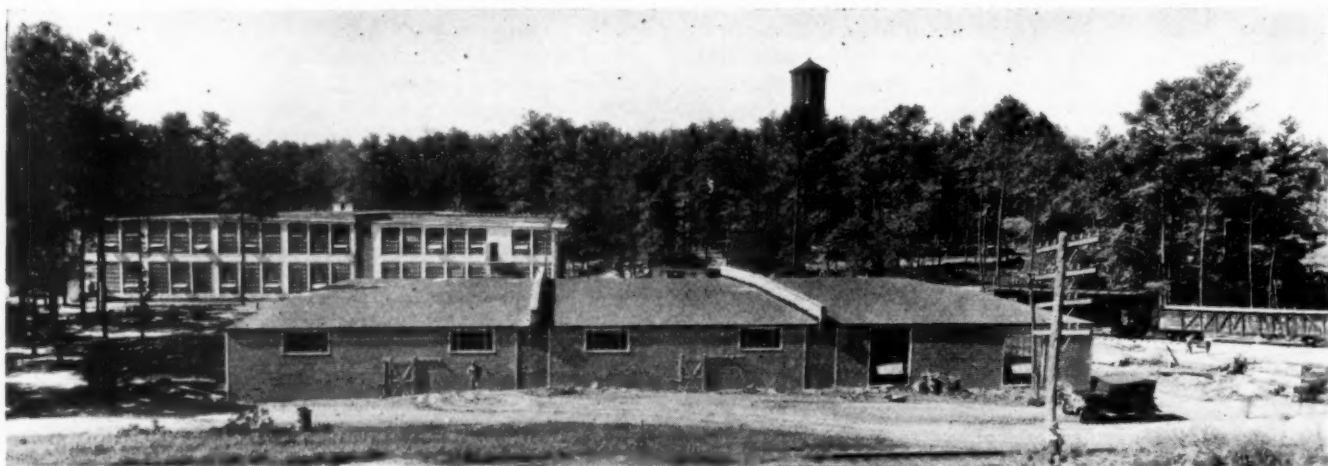
Robert & Company, Inc., of Atlanta, are the engineers for the project, while the following contracts were awarded: General contract—The Batson-Cook Company, West Point, Ga.; electrical lighting and power wiring—J. M. Clayton Com-



COTTON MILL VILLAGE OF THE ALABAMA MILLS COMPANY AT CLANTON, ALA.

buildings are about complete at Jasper, Aliceville, Russellville, Winfield, Fayette and Haleyville and are expected to be finished before October 1 at Clanton, Dadeville, Wetumpka and Greenville. Cottages have practically been completed for all the units. Subsidiary contracts for heating, fire protection, boilers, tanks, power wiring, lighting and other phases

pany, Atlanta, and the Mill and Mine Construction Company, Birmingham; heating and fire protection—Atlanta branch of the Grinnell Company, Inc., of Providence, R. I.; tanks and boilers—R. D. Cole Manufacturing Company, Newnan, Ga.; waterworks and sewers—The Hornbuckle Construction Company, Atlanta, and Sullivan-Long and Haggerty, Birmingham.



THE MILL BUILDINGS AT JASPER, ALABAMA.

Florida East Coast Railway Plans 10-Mile Extension—Would Serve Area Southeast of Lake Okeechobee.

The Florida East Coast Railway Company, H. N. Rodenbaugh, vice-president, St. Augustine, Fla., has been authorized by the Interstate Commerce Commission, Washington, to build an extension of its Okeechobee-Miami line, beginning at the present terminus at Chosen-Okleelanta and extending southwesterly and westerly to a connection with a proposed extension of the Atlantic Coast Line Railroad, on the west side of the Miami Canal, in the vicinity of Lake Harbor and near the Lake Okeechobee end of the Miami Canal.

The purpose of the line is to furnish transportation to a very fertile area, adjacent to the southeast border of Lake

Okeechobee, where early vegetables of all types may be grown for Northern and Western markets. It will also stimulate the development of lands adjacent to it, now being cultivated in the interest of a large sugar and sugar cane products company, and will effect a connection with the Atlantic Coast Line Railroad, so that traffic in the territory, which promises rapid growth, may be easily interchanged and quickly transported.

With a length of approximately 10 miles, the line will be located about one and one-half miles from the shore of Lake Okeechobee, and will require three movable bridges—one over Hillsborough Canal, one over North New River Canal and one over the Miami Canal. These structures will be relatively temporary and structural material already on hand will be used. No contracts have been awarded.

Letters From Our Readers

The MANUFACTURERS RECORD is being swamped with letters in regard to the political situation. Some are letters of bitter criticism; most of them are letters of strong commendation of the position taken by this paper. From time to time, as space permits, we will publish these letters regardless of whether they are letters of commendation or criticism.

These letters must not discuss the political question from the religious standpoint.

Facts About Negroes Working for Smith's Election Becoming Rapidly Known.

Westminster College.

Fulton, Mo., August 31.

Editor Manufacturers Record:

I get only the Sunday edition of the "News and Observer" and have seen only your second letter to Mr. Daniels. I am certainly glad for your complete demonstration of the danger to Prohibition which the election of Smith would be. The efforts of the regular party men to demonstrate that his election is a small matter after all, as far as Prohibition is concerned, are pitiful, and would be laughable if it were not that it is no laughing matter. Keep it up on that line. Every day makes it more and more clear that the whole Prohibition effort, all the work of years, is at stake. Smith's trickery in apparently letting the country know his "opinions" while he carefully concealed his "intentions" ought to turn every sincere-minded man against him.

There is another phase creeping in. A few nights ago I fell in with a colored man of this town, a man of some education and intelligence. I asked him how his people would vote. "Well, sir, thousands of my people are going to vote for Mr. Smith." "Why is that?" "Well, sir, we understand that Mr. Smith has been very favorably disposed to my race during his administration. Further, we understand that if he is elected there will be more welfare legislation passed during his administration than has been passed for the last 30 years. Now, my race favors welfare legislation. We need it and we profit by it. Further, there is a sort of general breaking away from party ties. Why, you know, don't you, that the Democrats in St. Louis have nominated a negro for Congress on the Democrat ticket?"

Then he quoted from a paper which, I understood, is a negro paper issued in the East. He said he gathered from it that the negro people would vote almost solidly for Smith in Massachusetts, New York and New Jersey. As you know, the party organization is making strenuous efforts to hold voters in line in the South, by the threat of negro domination, etc. If men of the South knew what the Smith crowd is doing up North to court the negro vote, with what promises they are after them, and noted that tricky nomination of a negro for Congress in St. Louis—tricky because it is solely to win their vote for Smith—I wonder what reaction it might create? The South ought to be made fully aware of all that. Never has the South been so betrayed as in the present campaign.

D. S. GAGE.

Mention of Negro Nominated for Congress by Chicago Democrats in 1924.

St. Petersburg, Fla., Aug. 31.

Editor Manufacturers Record:

In your issue of August 30 you publish a copy of an article from the Baltimore Evening Sun of August 21 in reference to St. Louis Democrats running a negro for Congress, the first case of the Democratic party ever nominating a negro for Congress.

If I am not mistaken, Earl B. Dickerson, negro attorney of Chicago, was named on the Democratic ticket for Congress by George E. Brennan in November, 1924, Dickerson being nominated in the first Illinois district to run against the Republican Martin B. Madden, chairman of the Appropriations Committee of the House.

F. B. WELSH.

A Suggestive Letter From Texas to Mr. Raskob.

Beaumont, Texas, August 24.

Editor Manufacturers Record:

I am glad of the opportunity to mail you herewith copy of a letter from one of our very substantial citizens and addressed to Mr. John J. Raskob. It has been given some publicity in the city and received much favorable comment with the remark that it should be broadcasted, and we know of no better way of broadcasting it than by publishing it in the MANUFACTURERS RECORD.

J. R. EDMONDS.

The letter to which reference is made follows:

"Beaumont Iron Works Co.

"Beaumont, Texas, July 16.

"Mr. John J. Raskob, chairman,
"National Democratic Committee,
"Claymont, Delaware.

"Dear Sir:

"As a wee small manufacturer, to an industrial giant, it is presumptuous on my part to offer any suggestion or criticism, and I crave your pardon in advance. For many years we have been at the helm of this small institution and we well remember the days when it was hard to get the payroll, and in those good old days we had a saloon on every corner and occasionally in the middle of the block.

"Well do we remember that when we did find a payroll, that for some days following you could not always find all the gang, unless you went to Mike's or Joe's Place.

"We are now working several score of men. They come to work in the morning, in products such as the General Motors produce, and hie away to the shady lanes and rippling streams for their week-end, and seem to be happy. And in some way they meet the installments.

"You are, along with many others, the manufacturer and distributor of the biggest installment collector in the world. It will cause the owner to fail to pay the butcher and the baker, and to leave a down-trodden landlord with a month's rent due him. You have taken the place of the old-fashioned bartender with the white apron and diamonds, but we must admit you have scattered happiness and health, where the other fellow scattered sorrow and hunger. You have increased the efficiency and earning power of the men, and while you have to a large extent absorbed this increase, their wives, sisters and sweethearts have been happy in the smell of gasoline instead of alcohol, and they have been able to save a few pennies and give the living and dining room set a new Duco finish and invite a few friends to enjoy an afternoon bridge and tea.

"You say you want alcohol in the home. Don't you think that Duco will lend more refinement and deliver a more lasting happiness? Will not alcohol in the home drive the flivver out of the garage?

"You charge society with immorality. Don't you think that society can better stand a few cases of immorality than hundreds or even thousands of cases of mortality? Do you believe you can put gasoline in the flivver and alcohol in the driver, and still collect your installments? Don't you think this combination will change the installment payments from the manufacturer to the mortician? That it will remove your clients from the flivver to the wheel-chair, and in some cases to the electric chair? Don't you think before you change the alcoholic conditions in the driver, you had better look carefully to the design of the steering apparatus, so that your products will know enough to keep to the right, straight ahead, with full stop at the crossing?

"The man who can mix oil and water without changing the quality, will be called blessed by many oil producers, and will save many thousands and even millions of dollars in cost of production, but the man who can mix 'Wine, Women, and Song' with gasoline and a flivver, without increasing immorality, mortality, and the line of wheel-chairs and tin cups on our city streets, can own the earth and is entitled to a place in the sun.

"Respectfully yours,

"L. J. BLACK (signed),

"Chairman of the Board."

Regards Smith's Nomination As an Insult to Democracy.

Hendersonville, N. C., August 30.

Editor Manufacturers Record:

I want to compliment you in your decisive utterances against the insult to true Southern Democracy that Tammany has thrust in our teeth, this year of our Lord, 1928, by nominating for us to vote for, A. E. Smith, the King Bee wet of the United States; and who "honestly" informs the world after he had pocketed the nomination on an enforcement platform, that it is going to be his mission, if elected, to make it possible for everybody again to be able to drink 48 kinds and varieties of booze, and do so legally.

I just received this morning from a New York friend, a clipping from the New York Herald Tribune, of August 24, in which you are quoted as trimming up our good friend, Josephus Daniels, to the queen's taste. Keep up the good work and find out, if you can, how in the name of Him who loved us, in the name of motherhood and childhood, how this man Daniels will ever be able to go to the polls and cast his ballot for Smith. I would fear the Lord would strike paralysis into the arm that would dare do such an act, so contrary to his offspring, his manhood and his God.

Josephus Daniels is suffering the political tortures of the damned, in his efforts to excuse himself for not coming out square-toed against this enemy, that he knows him to be, of good government and high ideals.

I am enclosing a cartoon that I believe represents the true Southern condition, which you are at liberty to use in any capacity you may see fit, also this letter, as I am making a personal campaign against this nest of political parasites who have thrust themselves into the political arena for the purpose of offering us their foreign policies for our blood-bought banner of Prohibition.

Resolved: That with God's help, even though a born-and-raised Democrat and a registered Democratic voter, that I will resent the insult to "True Southern Democracy," and to all God-fearing, home-loving Southerners, in the Tammany steam-roller nomination, of Al Smith, for President, by my prayers, what little talent I possess and my ballot. Southern Democrats, in whispers of love and mercy, God is calling us to higher ground, above the "East Side" slums and miasma and poison gas of Tammany, warning us again and again, that "Righteousness Exalteth a Nation but Sin is a Reproach to any people."

J. A. LUCAS.

Politics Getting Hot in Georgia, Says This Writer.

Fulton Roof Crafters Company.

Atlanta, Ga., Aug. 17.

Editor Manufacturers Record:

Being a Democrat—now for Hoover—and a reader and subscriber of your excellent magazine, I am enclosing a clipping from the Atlanta Constitution of August 17. It is a letter written to the editor of that paper by a lady who is really fighting for the cause of Democracy, Mrs. Marvin Williams. This article was placed in a very obscure part of the paper and I doubt if it was seen by many of the public.

Things are getting so hot down here on the political question that I almost have to carry the last copy of your paper under my arm to refer to from time to time, for it is the only paper of any kind that I can find that gives me any kind of an idea regarding the other side.

Keep your good work up for Mr. Hoover, for too much cannot be said of his ability and his qualifications for the office he is seeking.

Please don't let my subscription run out for if you do I will be in one awful mess.

C. O. LIVINGSTON.

Mistakes of Some Christian Women.

Knoxville, Tenn., August 22.

Editor Manufacturers Record:

I wish to express my appreciation of the attitude you are taking on the question of Prohibition, and will be interested in the articles which follow and sincerely trust they may be read by a great many people with an open mind and that they may help some to look at the subject in a different way. We hear so often that there is more drunkenness now than when we had the open saloon, and the statement is being made too frequently by apparently good Christian men and women.

ROBERTA RANKIN.

A Woman's Appeal for Prohibition.

Gainesville, Florida.

Editor Manufacturers Record:

Does Prohibition prohibit, and if not, why? This is a question that is burning deep in the heart of the thinking world and causing many good people to hesitate, and some of them to condemn the law.

Prohibition does not prohibit and it never will. Law has never prohibited. There has been law against murder ever since Cain killed Abel, and yet men still kill each other. The best that law can do is to check crime and punish the criminal. No thinking person can question the desirability of checking the use of intoxicating liquors. Crime, misery, dishonor, degradation, hunger, disease and death have always followed in the wake of liquor, and now since the automobile has come no man's life is safe if drinking cannot be checked. Many of us have personal friends who have suffered at the hands of a drunken driver. Some have been injured for life, some have suffered for months, and others have been killed outright.

Gasoline and whiskey is a deadly combination, a constant, deadly menace to rich and poor, high and low, to the most skilful driver of a car as well as to the child in the street. It is no respecter of persons. The life of the President of this republic is in as much danger as that of any of us. When a man's reason is dethroned by whiskey, he is a menace to all society. There is no question about the evil of it. It must be stopped. Your safety and mine demand that it shall be stopped. The question is, how?

Shall we begin with the schools? Yes. They are doing a good work. I know of many young men who will not use the vile stuff because science has taught them that it destroys the brain tissue and breaks down their health.

Shall we begin with the home? Yes. That place where our first and most lasting impressions are made. Mother, would you defile that home by serving a mint-julep at an afternoon tea? Father, would you curse that home by teaching your son to defy the law? If so, are you any better than the bootlegger who sold you the whiskey? He is an outcast and he recognizes no responsibility to society. Would you be put in his class? Is your responsibility and your influence to be classed with his? Some of you who do this thing are highly respected and responsible citizens. I know bishops of the church who are careless in this respect, men who are honestly and unselfishly giving their lives for the uplift of their fellow-man; men who would never degrade themselves by getting drunk; men who would not buy the vile stuff for themselves, but would allow a friend to buy it, and can see no harm in their taking a little sip.

This is a law that must be enforced if any man would live in peace and safety, and yet this is a law that is being disregarded by the lawmakers themselves, by judges on the bench, and by Congressmen and Senators.

My appeal is to you men who, with the love of God in your heart, feel that you are your brother's keeper. There are thousands of you. This old world would be hell without you. Join forces and press on; and then, and then only, will Prohibition come nearer prohibiting than does any other law on the statute books.

The enforcement of this law has become an absolute necessity. It strikes at the very foundation of our civilization and of our personal safety. To repeal it would be unthinkable. Society is knit together as one great whole. We are moving on at a whirlwind pace. We must go down into the pit of misery together, or we must be lifted up together.

We cannot expect help from the bootlegger, the thief, or the robber. Our help must come from the man who looks into the face of God and glories in his sonship. "Man's extremity is God's opportunity." Our extremity is here. God help us to grasp the opportunity that He will surely offer.

(MRS.) W. W. HAMPTON.

Hopes to See the Wet Champion Defeated.

Miami, Fla., August 26.

Editor Manufacturers Record:

I want to commend you for your courageous defense of the Eighteenth Amendment and Prohibition, also for your untiring efforts to get before your readers, facts about the benefits our country has derived from Prohibition.

I trust your good work will bear fruit abundantly and that the South will help the balance of the country so decisively to defeat the wet's champion for the Presidency, they will never want to run another one.

JAS. H. WILSON.

IRON, STEEL AND METAL MARKET

Increase in Production of Pig Iron and of Steel Ingots—Heavy Shipments of Steel.

Pittsburgh, September 10—[Special.]—Pig iron production gained 2.1 per cent from July to August, while the two months gained 5.3 per cent from the same months of last year, making a contrast with the performance in the first six months of this year, which showed a decrease of 2.2 per cent. Steel ingot production gained 4.1 per cent in the half-year and nearly 20 per cent in July and August.

For a number of years pig iron production has gained more slowly than steel ingot production, chiefly for two reasons, because foundries have not increased their operations as have steel mills, and because year by year more steel scrap is coming out. It does not follow, as some people seem to imagine, that the trend can continue almost indefinitely. Pig iron cannot be eliminated, being absolutely the basic material, and the increase in outcome of scrap will be milder in future because steel production is not increasing at as rapid a rate now as it was increasing long ago, when the material now coming out as scrap was made originally.

Steel production has been well sustained at the August rate, perhaps with a slight increase. The general rate of production is close to 85 per cent of assumed capacity, against 81 per cent in July and 76 per cent in June, the low month of the year. Activity is fairly well distributed among the different districts. For a time Chicago was below the average but it has picked up.

Shipping orders have been running heavy, in strictly new orders and in specifications against contracts. Specifying against third quarter contracts has been stimulated by the fact that many mills stipulated in the contracts that specifications should be completed by September 10, reserving the right to cancel unspecified tonnages. Some mills did not make this rule while others may allow customers to continue specifying. To what extent such practices, as well as the various recent announcements of price advances for fourth quarter have caused anticipations cannot be gauged. There is a chance that some of the present production is not strictly in accord with actual current consumption, and that production may be correspondingly lightened late in the year.

In any event it is evident that there will be no material increase in steel buying in the next couple of months. The present rate is a very good one, indeed, considering that steel production in the last two months made new high records for such months by large margins, and that the recent pace is fully maintained. It would require a sharp slump to prevent 1928 from making a new calendar year record in steel production.

As time passes and mills have continued to accept orders at old prices the real force of announced price advances for fourth quarter diminishes. The advanced prices may be put into effect as to making the actual current market, but buyers will be already fairly well covered at old prices. Sheet mills in announcing their advanced prices "for fourth quarter" had no thought of actually demanding the higher prices before this week, and it is far from certain that they will now hold to the higher prices, whereas they are already well booked beyond October 1. Automatically, or according to program, the regular asking price of large mills on bars, shapes and plates today becomes 2.00c, Pittsburgh, the price previously announced as the fourth quarter price, it being assumed that orders placed this week would hardly be filled before the end of the month.

The metal branch of the National Hardware Association held a meeting in Pittsburgh last Wednesday to protest against the announced intention of sheet mills to reduce the

cash discount from 2 per cent to $\frac{1}{2}$ per cent, effective October 1. Sheet producers were invited to be present and several responded. The jobbers insisted that the change would be ruinous to them, as they cannot absorb the amount and cannot pass the reduction to their customers, whose average credit is such that the jobber would be unsafe in carrying them for more than ten days. The mills, however, seem disposed to carry out their program.

Increased Steel Ingot Production.

According to the American Iron and Steel Institute 4,178,481 tons of steel ingots were produced during August as compared with 3,498,549 tons in August, 1927. The total production of steel ingots for the eight months ending August was 32,782,932 tons as compared with 30,510,071 tons for the corresponding period of last year.

Strength in Pig Iron—Activity in Pressure Pipe, Also in Stove and Range Production.

Birmingham, Ala., September 10—[Special.]—Pig iron in the Southern territory is retaining its strength, in fact, the general feeling is much improved. Needs are noted almost daily and shipments exceed the output of blast furnaces, so far as foundry iron is concerned.

Among the smaller-tonnage buyers are the stove manufacturers and it is declared that prospects are brighter now than for some time and there is warrant for the present active production. A. F. Selman, Rome, Ga., treasurer of the Southern Association of Stove Manufacturers, is authority for the statement that the stove and range production is good, that the five shops in Rome are operating from four and five days a week to capacity and in some instances on night and day schedule. These interests ask for steady delivery of pig iron.

Cast iron pressure pipe shops continue active with heavy shipments of the products in every direction, fittings in quantity having recently been sent to the East. Unfilled tonnage with the pipe shops is good and the fall and winter activities will not be bad by any means. There has been a slight curtailment of production in the radiator shop. Machine shops and foundries report some business coming in and inquiries received. The Caldwell Foundry & Machine Company has just completed a 36,000 pound casting for the new steam power plant at Gorgas of the Alabama Power Company. Foundries and machine shops of the district have been receiving inquiries as to large and odd castings, much of the work being accepted. Cast iron pressure pipe quotations are firm at \$34 to \$35 for six inch and over sizes.

The Woodward Iron Company is making iron at one of the Vanderbilt blast furnaces and will reline one of the Woodward iron makers. The Gulf States Steel Company will blow in its Gadsden furnace around September 16 or 18, this iron-maker being rebuilt and to have a daily capacity of 500 tons. The Republic Iron & Steel Company will be ready to make iron with two out of three furnaces when the demand picks up. Tennessee Coal, Iron & Railroad Company will be able to produce all the basic iron it will need for some time.

Resumption Sunday night of operations of the rail mill of the Ensley works of the Tennessee Coal, Iron & Railroad Company was an encouraging note in the steel situation of the district. Information is that a few orders have accumulated, warranting the starting up of the mill again after a three weeks' lay-off. It is believed that sufficient additional business will come in during the next two or three weeks to warrant continued operation of the rail mill through the

fourth quarter of the year. This resumption brings the steel mill operations of the district up to 70 to 75 per cent of capacity. The rod mill of the Gulf States Steel Co. is back in operation after considerable betterment.

Steel fabricating shops are busy. The Ingalls Iron Works Co. has received contract for 350 tons of structural steel for the Rome wire plant, to be erected at the Mobile cable works. The Ingalls Company is completing structural steel for the steam power plant connected with the Gulf States Paper Co. at Tuscaloosa.

Coal and coke is unchanged. Cooler weather coming into sight has not brought about any material improvement in demand. The larger consumers are holding off instructions as to pushing deliveries on their contracts. The coke market is fairly good, the product moving though not in great quantity. By-product works are in operation, but maximum output is being held down. The introduction of foundry coke into larger centers of the country as a domestic fuel is proving successful and the campaign is being continued.

Scrap iron and steel market is a little stronger with reports as to better prices. Dealers are holding out of the market on heavy melting steel, with \$10.25 as minimum and \$10.75 being asked.

Pig iron and iron and steel scrap quotations follow:

PIG-IRON.

No. 2 foundry, 1.75 to 2.25 per cent silicon, f. o. b. furnaces, \$16.25; No. 1 foundry, 2.25 to 2.75 per cent silicon, \$16.75; iron of 2.75 to 3.25 per cent silicon, \$17.25; iron of 3.25 to 3.75 per cent silicon, \$17.75; charcoal iron, f. o. b. furnace, \$29.00.

OLD MATERIAL.

Old steel axles	\$16.00 to	\$17.00
Old iron axles	16.00 to	17.00
Old steel rails	10.50 to	11.00
Heavy melting steel.....	10.25 to	10.75
No. 1 cast.....	13.00 to	13.50
Stove plate	12.00 to	12.50
No. 1 railroad wrought.....	9.50 to	10.50
Old car wheels	12.00 to	12.50
Old tramcar wheels	12.50 to	13.00
Machine-shop turnings	8.00 to	9.00
Cast-iron borings	8.00 to	9.00
Cast-iron borings (chem.).....	13.00 to	13.50

Active Demand for Metals—Copper, Lead and Tin Are Featured—Higher Prices in Prospect.

New York, September 10—[Special.]—The non-ferrous metals are almost uniformly brisk in demand, the extreme activity being more striking than any changes in prices. Copper has been placed in the center of the stage, though lead is by no means in the wings. Copper sales are the briskest since May, both for domestic use and for export. Lead is almost as active as during recent weeks. Tin sales day by day have been a little better than average and a large proportion of the purchases are to go soon directly into consumption.

August sales of all metals as a class, ferrous and non-ferrous, were strikingly large for the season and in fact for any period of the year. It is sometimes wondered whether fall business can keep up to that of the summer. Many of the metals were quiet on the surface last month but a final check of the volume of sales showed surprising totals.

Average prices for August were slightly higher than for July in lead, tin, antimony, zinc and quicksilver. Silver was lower while copper and platinum were virtually unchanged. Silver continues its downward price course this month, the quotation having dropped below 58 cents per pound during the past week for the first time in months. Quicksilver continues strong because of the close control exerted in Europe. Prices here are up 50 cents per flask to a minimum of \$127 per 75 pounds. Zinc has been the quietest of the major metals but demand is backing up rapidly and a purchasing movement cannot be far off.

Higher prices are in prospect over the rest of the year for practically all of the major metals, with the possible excep-

tion of zinc. There is talk of higher wages in the copper industry by the end of the year and should these come about higher prices for refined metal would be probable.

The first official statistics to come out for August pertain to tin. Here the world's visible supply increased 434 tons to a total of 18,456 tons, the largest in years. This would prove alarming to the tin trade but for the abnormally large consumption. Other statistics pertaining to the future have a more cheerful aspect. Thus the indication for Straits tin shipments to the United States during September is 7,000 tons as against the very large aggregate of 9,309 tons shipped in August. Moreover the amount of tin afloat to this country just now is about 6,000 tons as against 8,000 tons a week ago. Tin consumption will diminish over the rest of the year since tin plate operations are declining and August was probably the peak month of automobile production where tin is used in the manufacture of bearings.

Producers of zinc ore have several plans for the curtailment of production, following the increase of surplus stocks in August by 6,000 tons. Some mines are to work but three days a week, others four or five days a week and still others three weeks out of four. The gain in the ore surplus has not weakened the slab zinc market, however, since the producers of the refined product have been curtailing operations. More ore on the surface of the ground apparently is having no more market effect than was the same ore still underground.

Selling of copper has been gaining in momentum. The last week of August was particularly brisk, some observers stating that transactions were the most lively since May. The first week in September has been even more active. Export sales on Thursday, for instance, were 6,000 tons as against a daily average of 3,000 tons for the preceding week. All producers are sold out for September and are booked heavily into October.

The brass makers found that their sales and shipments in August were a new high for that month and copper wire manufacturers were by no means dormant. Strange to relate, domestic consumers are covered further into the future on their contracts for refined copper than foreign users despite the fact that it takes longer for exported copper to reach its destination. The reason is the different purchasing customs that apparently prevail in the two continents. Probably the domestic users, being more closely in touch with conditions, are more aware of the tightness of the supply of red metal.

The Lake Superior district reports a revival of demand from Middle Western consuming districts, following the good demand in recent weeks from the East and Europe. Exceptionally large tonnages are being sold and shipped and surplus stocks are very light.

Tin sales have averaged 300 tons daily during the week. The price has been remarkably steady over the past many weeks, being approximately 2 cents per pound above the low for the year. Prompt delivery tin is sold at a fancy premium over futures because of the scarcity of prompt tin and the fact that what tin is available is in strong hands.

The price of lead ore has been marked up \$2.50 per ton to \$82.50 with some sales as high as \$85 per ton. These prices reflect the \$4 per ton rise made in pig lead recently. Some lead producers are completely sold out for September and are taking October orders rather sparingly.

Zinc is firm at 6.25 cents per pound, East St. Louis, despite the poor demand and the apparent weakness in the ore situation. High operations in the steel industry assure good consumption for galvanizing purposes.

The town council of Virginia Beach, Va., will offer a \$25,000 bond issue on September 24 for street and water improvements.

GOOD ROADS AND STREETS

OVERHEAD HIGHWAY CROSSINGS SPEED TRAFFIC MOVEMENT.

Projects More Than Justified by Saving in Time and Elimination of Accidents Survey Shows.

By E. E. DUFFY.

Automobiles are taking to the air at highway intersections, at least in effect. Elevated crossings, wherein one street is bridged over the intersecting highway, are now actualities, and more are being planned or built.

Wayne County, Michigan, is building the most elaborate raised intersection in the world. The structure, costing in the neighborhood of \$1,000,000, will pay for itself in a comparatively short time, it is estimated, through the saving of time and the elimination of accidents.

The structure consists of two bridges, each 168 feet long and each carrying a 40-foot roadway and 10-foot walk. So even at this intersection, Michigan Avenue continues as a two-way road, passing over Southfield Road, now being converted into a two-way road also. The latter will pass under Michigan through four 30-foot openings. Carefully arranged driveways and approaches will permit traffic to pass from one highway to the other without interruption.

Los Angeles also is taking a big forward step in speeding up traffic through the construction of a combination bridge and overpass embodying four grade separations. It is known as the Glendale-Hyperion viaduct which in spanning the Los Angeles river also provides for the crossing of Hyperion over Glendale Boulevard and Riverside Drive. The reduction of travel time between the heart of Glendale and the center of Hollywood is expected to stimulate the settlement of adjacent undeveloped property.

Announcement has just been made that Cook County, Illinois, in which Chicago is located, will build its first elevated rural road intersection. This structure, to be at the meeting point of Dempster Street and Milwaukee Avenue, will be of untold value over the week-end when pleasure seeking traffic crowds these roads to the limit.

In estimating the value of separated highway intersections, highway authorities have determined that a delay of one minute costs the passenger car owner at least three cents. This is considering the year round overhead of the automobile and the operator's time. Since this sum does not include the cost of the time of passengers and such items as gasoline and oil, the three-cent-a-minute valuation is conservative. So two intersecting streets, with a daily traffic volume of 24,000 cars in all four directions, cost motorists \$1,080 a day or nearly \$400,000 yearly. This is estimating that half of the cars using the intersection will be delayed three minutes.

Here again the wisdom of applying modern business principles to highway construction is apparent. None of these elevated highway intersections is the result of whimsy on the part of community leaders. They were planned as business appliances for the benefit of the motoring public—which includes just about everybody.

Seeks New Bids on \$400,000 Coastal Highway Bonds.

Columbia, S. C.—A bond issue of \$400,000 recently offered by the Board of Coastal Highway Commissioners, Wade Stackhouse, chairman, Dillon, S. C., at $4\frac{1}{2}$ or $4\frac{3}{4}$ per cent, was not sold because there was no bid at par. The commissioners will probably readvertise the issue at 5 per cent and sell in a few weeks.

Texas Road District Votes \$525,000 Bonds.

San Angelo, Tex.—Road District No. 3, of Runnels County, voted a bond issue of \$525,000 for the construction of 58 miles of state highways Nos. 24 and 30. Federal and state aid in the sum of \$1,000,000 is expected on the project.

\$1,200,000 Sewer Bonds for Owensboro.

Owensboro, Ky.—The Board of City Commissioners is considering an ordinance authorizing the issuance of \$1,200,000 bonds for constructing a sewer system here. According to estimates of engineers, the system will probably cost less than \$1,000,000, but the larger amount was specified in order to meet all contingencies.

Bids on Birmingham Viaduct and Underpass.

Birmingham, Ala.—Plans for the proposed Twenty-Second street viaduct and underpass at Fourteenth street are expected to be ready for contractors by September 20, according to W. E. Dickerson, city commissioner. The viaduct will be 1050 feet long, of reinforced concrete, with a 56-foot roadway except at the north end, where it will be 45.3 feet. A. J. Hawkins is the city engineer.

\$6,500,000 for Maintenance of Texas Roads.

Austin, Tex.—In a report outlining a budget for the fiscal year beginning September 1, 1928, and ending August 31, 1929, Leo Ehlinger, maintenance engineer of roads, of the State Highway Department, announces that approximately \$6,500,000 will be expended in that period for the maintenance of Texas' highway system of 17,960 miles. The budget calls for an expenditure of \$8,999,450, of which about \$2,500,000 represents office and overhead costs, with a reserve of 10 per cent for all jobs.

Texas Asks Bids on 281 Miles Roads.

Austin, Tex.—The State Highway Commission, R. S. Sterling, chairman, will open bids September 17 for 20 road and bridge projects covering a total of 281 miles. Nine projects call for a total of 116.5 miles of grading and bridge construction, while others call for about 34.22 miles of concrete highway, 18.09 miles of grading, bridge construction and surfacing 39.77 miles of bituminous macadam, 38.34 miles of gravel, 20.01 miles of grade, drain and gravel; 9.75 miles of limestone surface, and 5.15 miles of grading, bridges and concrete pavement.

Bids Asked on \$250,000 Washington Bridge.

Washington, D. C.—Bids will be opened September 20 by the District Commissioners for the construction of the proposed M street bridge over Rock Creek, estimated to cost \$250,000. The structure will be of the steel girder type, consisting of three 75-foot spans, with concrete abutments and piers and asphalt roadway on concrete slabs. The following contractors are estimating: Farris Engineering Company, Pittsburgh, Pa.; Washington branch of American Bridge Company, New York; G. B. Mullin Company, Washington; Newport Contracting and Engineering Company, Newport News, Va.; McLean Contracting Company, Baltimore; Adams & Marino, Baltimore; Fred Snare Corporation, New York; Forbes-Murphy Construction Company, Baltimore; Thomas Sheahan, Hagerstown, Md.; The Cranford Company, Washington; The English Construction Company, Washington; Atlantic Bridge Company, Greensboro, N. C., and the Whiting-Turner Construction Company, Baltimore.

TEXTILE

\$3,500,000 Third Unit Planned for Bemberg Plant.

Elizabethton, Tenn.—The construction of additional units to the big yarn mill at Bemberg, near this city, of the American Bemberg Corporation, and the introduction of improvements designed to increase the output from 40 to 50 per cent, will probably be undertaken sooner than anticipated, according to Dr. Arthur Mothwuff, president of the corporation. This announcement is taken to mean that the third unit in the company's program, to cost about \$3,500,000, will be started soon after the first of the year. The first unit of the mill has been in full operation more than a year, with an increasing production, and operatives are now being secured and trained for the second unit, which was completed early in the summer.

Details of improved manufacturing processes have not been announced, but are considered as an important and far-reaching industrial factor. According to Dr. Mothwuff, there is an increasing demand for Bemberg fabrics in American markets, and the two units already constructed, which have a combined annual capacity of 5,000,000 pounds, are unable to supply this demand. The construction of five units has been planned for a total production of 18,000,000 pounds annually.

Durham Hosiery Mill Expanding—Other Activity Noted.

Durham, N. C.—The Knit-Well Hosiery Mills, Inc., have provided additional space by opening a 35 by 50-foot area in the basement of its building for storage, and is now installing 45 additional knitting machines and 12 loopers. With the new machines it will operate a total of 165, working double shifts for the production of men's and women's fancy cotton hosiery. The Golden Belt Manufacturing Company plans an expenditure of about \$200,000 for the enlargement of its full fashion department and the installation of 18 additional machines.

The expansion of these mills indicates an improvement in the hosiery business, which is emphasized by the announcement that the Chatham Knitting Mills Company and the Ruth Hosiery Mill will resume operations after a short suspension, and the Louise Knitting Mills Company, which has only operated a portion of its machinery during the summer, will return to full operation. It is understood that all local hosiery mills are operating full time and that manufacturers are optimistic about orders.

Contract Awarded for Big Tennessee Mill.

Dyersburg, Tenn.—General contract for the large cotton mill to be erected here for the Dyersburg Cotton Products Company has been awarded to the Gauger-Korsmo Construction Company, of Memphis, estimated to involve the expenditure of \$2,500,000. The building will contain approximately 275,000 square feet of floor space, for the accommodation of some 20,000 spinning spindles, 1000 knitting machines and a complete dye and bleach house. Robert & Company, Inc., Atlanta, are the architects and engineers.

Grottoes (Va.) Silk Mills Incorporated.

Grottoes, Va.—The Grottoes Silk Mills, Inc., with an authorized capital stock of \$50,000, have been chartered for the manufacture of silks and other textiles. Abel K. Baker, New York City, is president, and George N. Conrad, Harrisonburg, Va., attorney.

Textile Mill Site Acquired in Alexandria, Va.

Alexandria, Va.—Wallace & Herring have acquired a site at West and Oronoco streets on which they will erect a one-story brick building, to be leased to the Harry Aronsohn Throwing Company, Paterson, N. J., for the establishment of a silk throwing plant. The building will be approximately 275 by 65 feet and is expected to be ready for occupancy within 40 days. The firm will employ about 100 operatives, most of whom will be girls.

Columbus Hosiery Mill Plans New Buildings.

Columbus, Ga.—Plans have been prepared by Lockwood, Greene & Company, Inc., Charlotte, and contract will soon be awarded for the erection of new mill units here for the Archer Hosiery Mills. It is planned to erect a 2-story and basement main building, 128 by 72 feet, with stairs, elevators, towers and toilets; one-story office building, 36 by 42 feet; one-story dye house, 27 by 45 feet; one-story boarding house, 45 by 63 feet, and a one-story boiler house, 18 by 36 feet.

Polkton (N. C.) Shirt Company Organized.

Polkton, N. C.—Business interests of Polkton and Wadesboro have organized the Polkton Shirt Company with an authorized capital stock of \$100,000, to manufacture high grade-shirts and athletic trunks. Application for a charter will be made at once, with H. B. Allen and W. H. Liles of Wadesboro, and R. G. Austin of Polkton, as incorporators. The company has acquired a two-story brick building, 50 by 90 feet, on the Seaboard Air Line Railway and State highway No. 20, and will install machinery promptly. It expects to begin production about October 1, employing approximately 100 operatives.

Contracts on Aragon-Baldwin Mill Extension.

The Gallivan Construction Company, Greenville, S. C., general contractor for the erection of an addition to the main mill building at Whitmire, S. C., of the Aragon-Baldwin Cotton Mills, Inc., has awarded the following sub-contracts:

Cast iron columns—American Pipe Company, Birmingham, Ala.
Grading—Joe Frazier, Chester, S. C.
Steel wash—Detroit Steel Products Company, Detroit, Mich.
Structural steel—Charlotte branch of McClintic-Marshall Company, Pittsburgh, Pa.

The proposed extension will be 120 by 135 feet, of timber, plank and steel construction. J. E. Sirrine & Company, Greenville, are the engineers.

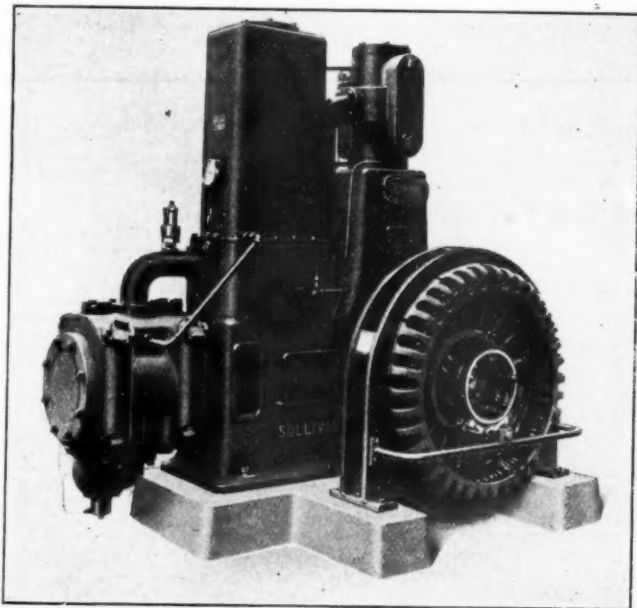
Davison's Textile Directory.

The second consolidated edition of Davison's Textile Blue Book and Dockham's American Report and Directory of the textile manufacture and dry goods trade issued by the Davison Publishing Co., New York City, is now ready for distribution. This 41st edition shows every mill report carefully revised. Thousands of changes in mill names, officers, goods manufactured, equipment, selling agents, etc., have been made, and the various dealers and other allied lines have been brought up to date. This one volume contains a directory of cotton mills; woolen mills; worsted mills; silk mills; knitting mills; Mexican mills; dyers and finishers; mills with dye houses; commission merchants; cotton dealers (both domestic and foreign); cotton compresses and warehouses; wool dealers; linter dealers; waste dealers and manufacturers (both domestic and foreign) wholesale rag and remnant dealers; textile supplies; new textile mills, and a classified directory of mills. The prices are: Office edition \$7.50; handy edition \$5.00, salesmen's directory \$4.00.

NEW AND IMPROVED EQUIPMENT

8-Inch Stroke Angle Compressor.

Small size angle compound air compressors manufactured by the Sullivan Machinery Co., Chicago, are described as being built on the same principle and design as the company's larger machine and giving the advantages of the angle compound idea to machines as small as 300 cubic feet displace-



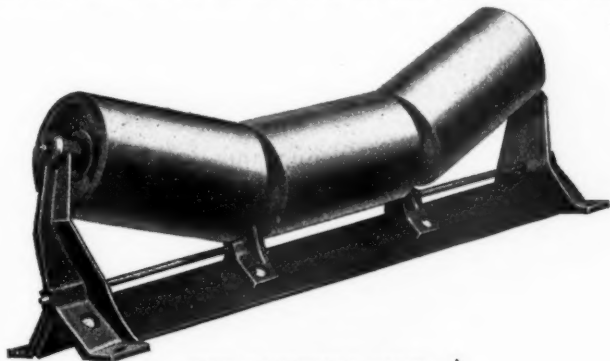
SULLIVAN "WN-31" COMPRESSOR.

ment capacity. These advantages include compactness, exact balance in reciprocating parts, freedom from vibration, low power consumption, smoothness of operation and control, and freedom from operating troubles.

The difference in details of construction between this new 8-inch stroke compressor, known as the "WN-31," and the 10-inch and larger compressors of this type as manufactured by the company are presented in a bulletin S3-K, recently issued.

Belt Conveyor Idler.

The Fairfield Engineering Company, Marion, Ohio, has placed on the market a belt conveyor idler for which it claims lifetime service, one of the factors being the use of the de Lavaud cast iron pipe construction of the roller. This product



THE FAIRFIELD IDLER.

is a centrifugally cast iron pipe, very dense and close grained and said to be free from blow holes and slag pockets.

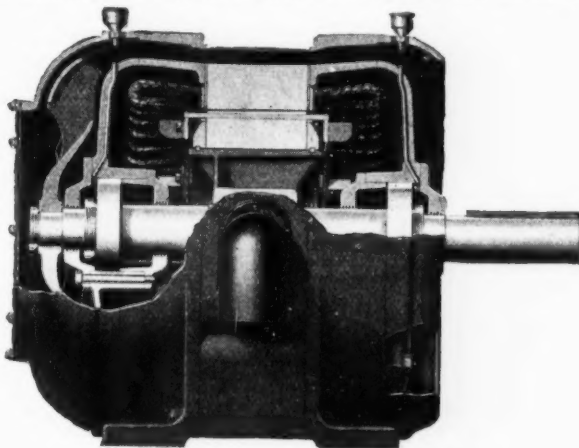
Timken bearings are used throughout, and lubrication is of the direct, high pressure type. An important service feature is the interchangeable roller. All rollers on each idler are the

same face, with ends alike, so that rollers can be inserted between any bracket or turned end for end between the brackets. Bearing adjustment is positive with any degree of fineness, and rollers do not lose adjustment when removed from the brackets. Heavy cast iron brackets hold the idler in place and are mounted on a self-cleaning, angle base. If desired, bases are furnished tilting the idler in the direction of belt travel to insure a true running belt.

The face of the return roller supports the belt $1\frac{1}{2}$ inches above the bottom flanges of the stringer channels; oscillating bearings are not required or used, so return rollers can be set to properly train the belt.

Enclosed Fan-Cooled Motors.

A new line of totally enclosed, fan-cooled motors, 1 to 50 horsepower, has been developed by the Allis-Chalmers Manufacturing Company, Milwaukee, Wis. In this design, all the active parts, such as stator core, stator winding and the rotor, are completely enclosed, preventing contact of outside air, dirt, dust, fumes, moisture, etc., with the interior or active parts. Heat is carried away by a sufficient volume of cooling air forced around and across those parts which conduct the heat from the interior to the outer surfaces. A circumferential air jacket controls the path of cooling air. Solid cast iron bearing housings are attached to stator end heads with



SHOWING DETAILS OF THE MOTOR.

machined fit, which, with grease packed bearings, form a perfect end closure. Internal parts of motor are readily accessible by removal of housings. A unique feature is that in many ratings this totally enclosed design delivers the same horsepower output as is obtained from the same frame in the standard open rating. Temperature rise is within 55 degrees C., measured by the resistance method. The design provides for rugged construction with a minimum number of parts.

Big Generator for Kansas City Plant.

Kansas City, Mo.—The Kansas City Power and Light Company recently purchased a modern turbo-generator unit from the Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa., for installation in the Northeast station, this city. It consists of a 12,500 kva, 3600 rpm, 2 pole, 60 cycle generator coupled to a 10,000 kv, 1200-pound pressure turbine. The generator, it is said, equals in size any other of the same speed in this country, its construction being unique because of the use of internal fans. The turbine is the first 1200-pound, 10,000 kv unit produced by Westinghouse and one of the first of its kind ever built. Exhaust steam from the turbine, at approximately 385 pounds pressure, will be used to drive other units in the Northeast station.

CONSTRUCTION DEPARTMENT

EXPLANATORY

Additional information is published about all enterprises mentioned in this department as soon as such data can be obtained.

The date at the end of an item indicates issue of the Manufacturers Record in which earlier facts about the same enterprise were published.

DAILY BULLETIN

The Daily Bulletin is published every business day to enable its subscribers to follow up promptly the industrial, commercial, railroad, financial, building and general business development of the South and Southwest. To machinery manufacturers and dealers, contractors, engineers and others who require daily information of every new enterprise organized and details about important additions to enterprises already established, the Daily Bulletin is invaluable. Subscription price, \$30.00 a year.

Airports, Airplane Plants, Etc.

Ark., Texarkana—City acquired 192 acres for airport; install \$35,000 equipment.

D. C., Washington—Simmons Aircraft Corp., capital \$500,000, incorporated; Charles W. Search, James Blaine Hendrix.

La., Lafayette—City votes Oct. 9 on \$25,000 airport bonds.

Miss., Meridian—Karl Brittain, L. H. Archer, 1213 20th Ave., of Exchange Club, interested in establishing airport.

Mo., Jefferson City—Central Missouri Aeroplane Co., capital \$34,000, incorporated; Sylvester Lohman, Dr. W. B. Dallas.

N. C., Winston-Salem—Forsyth Highway Comm. plans 3 bridges. See Roads, Streets, Paving.

Okl., Holdenville—Chamber of Commerce, reported, interested in establishing airport.

Tex., Austin—City plans acquiring 340 acres for airport; \$75,000 available. 5-31

Tex., Brownsville—Proctor & Dudley have contract for 1-story, hollow tile and stucco administration building at municipal airport; General Electric Co., Schenectady, N. Y., for electric field light. 8-9

Tex., Dallas—Col. Wm. E. Easterwood, Jr., 519 S. Akard St., plans establishing airplane factory.

Tex., Fort Worth—City plans acquiring additional 35 acres for airport; install air depot and restaurant.

Tex., Kelly Fields (Ind. Br. of San Antonio)—Frank W. Sallingers, Washington, employed as Ch. Engr. and Constr. Supt. of U. S. Army Air Training Center on Seguin Rd., 15 miles from San Antonio, will begin work immediately; clear field, cut timber and put down wells for water supply; \$100,000 available for work on field; Government will expend \$8,000,000 at field during first 2 years. 6-14

Va., Clarendon—Arlington Airways, Inc., capital \$25,000, chartered; B. M. Hedrick; manufacture aircraft and equipment.

Va., Petersburg—City has begun construction of airport; Robt. D. Budd, Engr. 7-19

Bridges, Culverts and Viaducts

Proposed Construction

Alabama—Alabama State Bridge Corp., Montgomery, plans receiving bids soon for 15 toll bridges; Ford, Bacon & Davis, Traffic Engrs., New York, recently completed survey. 6-7

Ala., Birmingham—City Comm., Eunice Hewes, may receive bids Sept. 20 for Twenty-second St. viaduct and Fourteenth St. underpass; A. W. Hawkins, City Engr. 8-2

Ark., Garland City—State Highway Dept., Little Rock, plans 3-span steel bridge over Red River, 1020 ft. below Cotton Belt R. R. Bridge; Center span 200-ft. clear length, 45 ft. above high water; conc. approaches on each side; requested permit from War Dept., Washington. 8-30

Fla., Pensacola—War Dept., Washington, will hold public hearing Sept. 17 for 13,500 ft. bridge across Pensacola Bay, 15-ft. above high water to be built by Johnson, Drake & Piper, Miami Beach, who have franchise; cost about \$2,000,000. 8-9

Kentucky—See Roads, Streets, Paving.
Ky., Carrollton—State Highway Comm., Frankfort, will build Ohio River Bridge at Carrollton, touching Indiana shore near Lamb, Ky.; State Engrs. Johnson and Creal, making preliminary surveys. 9-16

Missouri—State Highway Comm. receives

bids for 11 bridges. See Roads, Streets, Paving.

Miss., Aberdeen—Monroe County Bd. of Supvrs., J. T. Gregory, Pres., Amory, plans receiving bids for conc. bridge across Tombigbee River, near Aberdeen; sold bonds. 8-9

Miss., Greenville—Washington County Bd. of Supvrs. granted franchise to C. M. Murphy, Belzoni, to erect 2 toll bridges over Sunflower River; Murphy Bayou; Schlater Ferry.

Miss., Hazlehurst—Copiah County Bd. of Supvrs. plans expending \$15,000 for White Oak Creek Bridge.

Oklahoma—State Highway Comm. let contracts for bridges. See Roads, Streets, Paving.

Okl., Hanna—Fort Smith and Western Ry. Co., B. F. Beckman, Ch. Engr., Fort Smith, plans expending \$10,000 to grade roadway approaches and reflow bridge over South Canadian River, near Hanna; State Corporation Comm. granted permit to establish bridge. 9-6

South Carolina—State Highway Comm. receives bids for 3 bridges. See Roads, Streets, Paving.

S. C., Laurens—N. C. Hughes, Gracelynn Apts., Columbia, has contract for conc. bridge over Little River, East Main St., cost about \$18,000.

Tennessee—Dept. of Highways and Public Works plans receiving bids for bridge and approaches. See Roads, Streets, Paving.

Tenn., Jasper—Dept. of Highways and Public Works, Nashville, will let contract soon for Tennessee River Bridge at Kelly's Ferry, Jasper-Chattanooga link of Lee Highway; Harry Berry, State Highway Commr.

Texas—State Highway Comm. receives bids for 3 culverts and approaches. See Roads, Streets, Paving.

Texas—State Highway Comm. receives bids for bridges over 20-ft. spans, trestles, and 15 culverts. See Roads, Streets, Paving.

Tex., Fort Worth—City, O. E. Carr, Mgr., considering 2 underpasses to take place of proposed Capps St. subway: At intersection of South Main St. and Missouri-Kansas-Texas tracks; at interlocker of Katy and Southern Pacific lines, cost over \$100,000.

Tex., Franklin—State Highway Comm., Austin, receives bids Sept. 18 for 511 mi. bridge and approaches, across Walnut Creek, Highway 6, Robertson County; C. B. Thames, Res. Engr.

Tex., Goose Creek—W. C. Bemis of Bemis Co., Consult. Engrs., 332 S. Michigan Ave., Chicago, Ill., reported, discussing plans for 2 toll bridges from Morgans Point to Evergreen on mainland near Goose Creek; 2 mi. bridge from mainland near Evergreen to end of Atkinson Ave.; bridge, 35 ft. above channel from point near Evergreen to Morgans Point mainland, to cost \$6,000,000.

Tex., Hamilton—Hamilton County, P. M. Price, Judge, plans bridge across Cowhouse Creek, Highway 108.

Tex., Houston—J. C. McVea, City Engr., will prepare plans for conc. bridge over Slaughter Pen Bayou, Hughes St., \$18,000. 8-9

Tex., Laredo—State Highway receives bids for bridge and overpass. See Roads, Streets, Paving.

Tex., Liberty—Liberty County plans expending \$28,200 to reflow and put in stringers on bridge across East Fork of San Jacinto River, State Highway 35.

Tex., Port Lavaca—Calhoun County, and State Highway Comm., Austin, requested permit from War Dept., Washington, to construct bridge across Guadalupe River, Highway 57.

Tex., Victoria—Victoria County, and State Highway Comm., Austin, requested permit from War Dept., Washington, to construct bridges across San Antonio and Guadalupe Rivers, Highway 12.

Va., Rustburg—Campbell County Bd. of Supvrs., C. W. Woodson, Clk., receives bids Sept. 24 for 6 standard steel beam bridges, 12-ft. roadway, conc. and wood floors, conc. piers and abutments: Over Falling River, intersection of road from J. C. Williams to Naruna; over Falling River, Carville's Mill; over Goose Creek, Leesville; over Mollie's Creek; 2 bridges over Seneca Creek, Seneca Station, on Virginian Ry.

Contracts Awarded

Ark., Fayetteville—Washington County, H. L. Baker, Judge, let contract to Blacksher & Blacksher, Harrison, \$16,076, for 2 bridges: 90-ft. steel truss, with one 30-ft. span, over Illinois River near Bowling Smith ford; 80-ft. bridge over creek east of Cincinnati, 6 mi. north of Summers, two 40-ft. spans on winged conc. abutments. 8-30

Ga., Columbus—Muscogee County Commrs. let contract to W. J. Tidwell, Jr., Douglasville, \$17,174, for 3 conc. bridges: Over Douglas Creek, Columbus - West Point road; Standing Boy Creek, on same road; over Lindsey Creek, Columbus - Warm Springs road.

Miss., Vicksburg—Warren and Hinds Counties Bd. of Supvrs. let contract to Schultz Construction Co., Freeport, Ill., \$77,000 for conc. highway bridge across Big Black River, connecting Hinds and Warren Counties. 8-23

Mo., St. Louis—Laclede Steel Co., Arcade Bldg., reported, has contract for 200 tons rein. steel, and 100 tons conc. bars for Alabama Ave. Bridge over River Des Peres. 8-9

N. C., Greensboro—Guilford County Commrs. let contract to R. G. Lassiter & Co., Citizens Bk. Bldg., Raleigh, for overhead bridge over A. & Y. R. R., on hard-surfaced Greensboro-Battleground road, under construction.

Tenn., Chattanooga—Hamilton County let contract to Zorn Construction Co. for several culverts on Dayton Pike.

Tex., San Antonio—City, Fred Fries, Clk., let contract to J. G. Jeffrey, 2134 Buena Vista St., \$23,580, for rein. conc. San Antonio River Bridge, on Grayson St.; crushed limestone alternate. 9-6

Va., Norfolk—Virginia Electric and Power Co., J. C. Newman, Engr. M. of Way, let contract to Atlantic Bridge Co., Inc., Jefferson Bldg., Greensboro, N. C., \$13,625, to repair draw, construct piers on 161-ft. bridge over Lafayette River. 9-6

Canning and Packing Plants

Fla., Hallandale—See Land Development.

Tex., Brownsville—Texsun Packing Co., H. H. Banker, Sec., construct 1-story, frame, stucco and galv. iron packing plant.

Tex., LaFeria—White & Lawler, Inc., erect citrus fruit packing plant; 2-story, brick and conc., 30x50 ft.

Tex., Weslaco—Claude Kidder has contract for packing shed of Rio Grande Valley Vegetable Exchange; cost \$10,000; Harry L. Stebbins, Archt.

Clayworking Plants

Mo., St. Louis—Bell Clay Co., incorporated; Fred S. Bell, 6645 Waterman St.

Tenn., Kingsport—Johnson City Shale Brick Corp., Johnson City, advises that all new machinery for Kingsport plant of Gen-

eral Shale Products Corp. (formed by merger of Johnson City Shale Brick Corp. and Kingsport Brick Co.) has been purchased from Chambers Bros. Co., 52nd and Media Sts., and Link-Belt Co., Hunting Park Ave., both Philadelphia, Pa. 9-5

Tex., Goose Creek—Bridgeport Brick Co., Santa Fe Bldg., Dallas, and Bridgeport, acquired properties of Texas Brick and Tile Co., including plant site of 41 acres; plans improvements.

W. Va., Martinsburg—Industrial Brick and Shale Co., acquired Eastern Brick and Shale Co.'s property near Flagg's Crossing.

Cotton Compresses and Gins

Ark., Elaine—Elaine Gin Co., capital \$30,000, incorporated; J. W. Countiss.

Miss., Lake Cormorant—Lummus Cotton Gin Co., Columbus, Ga., installing electric gin in plant of J. E. Vorus; 380-saw, Lummus Automatic Airblast System, daily capacity 40 bales.

N. C., Peachland—Peachland Gin Co., capital \$25,000, incorporated; W. P. Broom, W. J. Phillips.

Tex., Colorado—Lone Wolf Planters Gin Co., capital \$15,000, incorporated; B. J. Phillips, S. H. Milwee.

Cottonseed-Oil Mills

South Carolina—Kershaw Oil Mills, Kershaw, acquired oil mills at Anderson, Belton and Seneca, operated by Carolina-Georgia Service Co.

Drainage, Dredging and Irrigation

Florida—U. S. Engr. Office, Jacksonville, receives bids Oct. 12 for dredging from Anclote River. See Want Section—Bids Asked.

Louisiana—Dist. Engr., U. S. Engr. Office, Poland and Dauphine Sts., New Orleans, received low bid from Lake Arthur Dredging Co., V. Wiess Bldg., Beaumont, Tex., for furnishing labor and material and dredging Little Caillon Bayou, La., for distance 20 miles. 8-9

La., New Orleans—War Dept., U. S. Engr. Office, New Orleans River Dist., office of Dist. Engr., receives bids Sept. 25 for levee work. See Want Section—Bids Asked.

Missouri—War Dept., Maj. Gen. Edgar Jadwin, Ch. Army Engrs., Washington, D. C., allotted additional \$800,000 from river and harbors appropriation for work on lower Missouri River, making total of \$8,370,000 allotted for channel work since July 1, 1927.

North Carolina—U. S. Engr. Office, W. A. Snow, Dist. Engr., Wilmington, received low bid at 40 cts. per cu. yd. from R. R. Stone, 601 Orange St., Wilmington, N. C., for removing 36,000 cu. yds. material from Shallotte River; work to be done consists of restoring previously dredged channel below Whites Landing to width of 36 ft. and mean low water depth of 4 ft. and obtaining channel of same width and depth from Whites Landing to town of Shallotte, a mile above. 8-9

Texas—War Dept., U. S. Engr. Office, Galveston, reported, plan preliminary survey of Pease River Valley in connection with proposed construction of dam to impound flood waters; plan is to use flood waters for irrigating about 150,000 acres in Foard, Cottle, Hardeman and Wilbarger counties; hydraulic engineers recommended construction of dam 111 ft. high and 5000 ft. long 2 miles upstream from Pease River Bridge on Quanah-Crowell highway, forming a 10,000 acre reservoir; will assist in Mississippi River flood control project, as Pease River is an indirect tributary to that stream.

Tex., Houston—Harris County Drainage Dist. No. 12 receives bids Sept. 27 for excavation along Brays Bayou. See Want Section—Bids Asked.

Tex., San Antonio—See Land Development.

Tex., Three Rivers—Charles R. Tips, developer of Three Rivers townsites, interested in creation of irrigation district comprising 6500 acres in Live Oak County adjacent to and including town of Three Rivers; if organized it is planned to vote bonds for installation of irrigation system, build dam in Frio River below its junction with Atascosa River, create lake 8 miles long on Frio and 7 miles on Atascosa River; Gordon West, Reclamation Engr. of Missouri Pacific Ry., has prepared preliminary plans for system; dam will be used to irrigate and supply Three Rivers with water; will vote Sept. 22 on proposition; will develop irrigated lands in fruit.

Virginia—U. S. Engr. Office, Norfolk, received low bid from Morris & Cummings

Dredging Co., 15 Moore St., New York, at 28.8 cts. per cu. yd. for dredging approximately 2,000,000 cu. yds. channel from Middle Ground to Newport News. 8-16

Electric Light and Power

Electric light and power work in connection with many LAND DEVELOPMENT operations involves the expenditure of large sums of money. See that classification for details.

Ala., Birmingham—Alabama Power Co. offering \$15,000,000 first and refunding mortgage gold bonds, 5% series due 1968 through Harris, Forbes & Co., Bonbright & Co., Inc., both New York, and Coffin & Burr, Inc., Boston; company organized under laws of Alabama as consolidation of Alabama Power Co. with Gulf Electric Co. and Houston (Alabama) Power Co.; has installed generating capacity of 498,130 h. p. of which over 73% is hydro-electric.

Ala., Mobile—City plans installing \$250,000 white way system; Wright Smith, City Engr.; A. A. Coffin, Electrical Engr.

Arkansas—Southwestern Gas and Electric Co., Shreveport, La., making interconnection of electric systems in 27 communities with its transmission equipment at Abbott; properties were acquired from Southwest Power Co., and are located in northwest Arkansas, Rogers, Booneville, Fayetteville, Eureka Springs, Springdale and Harrison.

Ark., Fort Smith—Stockholders of Fort Smith Light and Traction Co. approved sale of company's electric and railway properties and its interest in Mississippi Valley Power Co., a subsidiary to Standard Gas & Electric Co., 231 S. LaSalle St., Chicago, Ill.; will operate electric and railroad divisions as separate companies; electric properties by Mississippi Valley Power Co., the railway system by Fort Smith Traction Co.; plans constructing additional transmission line, Fort Smith to Ozark, cost \$225,000.

Ga., Atlanta—Georgia Power Co. offering \$15,000,000 first and refunding mortgage gold bonds, 5% series due 1967 through Drexel & Co., Philadelphia; Bonbright & Co., Inc., Harris, Forbes & Co., both New York; company supplies light and power, directly or indirectly, in substantially all of northern and central Georgia, including Rome, Atlanta and Athens; controls companies which own gas properties in Atlanta, electric, street railway gas and water properties in Macon and adjoining communities, and electric, gas and water properties in Brunswick; proceeds to be used to reimburse company for expenditures for additions and improvements to properties, to provide funds for further additions and improvements and for other corporate purposes.

Ga., Pearson—Georgia Power and Light Co., Valdosta, reported, to install substations at Cogdell and Pearson; run 22 kv. transmission line between these points and furnish Pearson with 24 hour service; feed from main 66 kv. line to Waycross; work on this project will start in near future.

La., St. Francisville—City voted to sell light and water plant to Mississippi Utilities Co., Jackson, Miss.; also 25 year franchise; may erect ice plant.

Miss., Newton—Mississippi Power Co., Gulfport, reported, acquired light and power plant owned by Inland Utilities Co., Kansas City, Mo.

Miss., Poplarville—Mississippi Power Co., Gulfport, reported, acquired Southern Power and Mfg. Co.'s interest in light and water plant and unexpired franchise for 15 yrs.

Okla., McAlester—Public Service Co. of Oklahoma, Tulsa, subsidiary of Central and South West Utilities Co., acquired properties of Southwest Power Co., serving 18 communities in eastern Oklahoma including gas and electric service in McAlester. 8-30

Texas—West Texas Utilities Co., Abilene, Tex., is constructing 66-kv. high line from Vernon to Holliday, carrying power into Wilbarger field over a 12-kv. aluminum transmission line; will construct a 1000 kv-a 66-12 kw. latticed steel substation in Wilbarger County. 8-16

Tex., Dallas—T. L. Benning, 818½ Exposition St., Harry Lockett, interested in white way from Fair Park to Grand Prairie along Exposition Ave., Williams St., Canton St. and Jefferson Ave.

Tex., Dallas—Texas High Line Power and Light Co., capital \$25,000, incorporated; Henry Hutchings, W. M. Vick. 8-30

Tex., Dickens—West Texas Utilities Co., Abilene, is now constructing high line Spur to Dickens, distance of 12 miles; will construct 2300 volt distribution system at Dickens for lighting, heating and power; also install substation.

Tex., El Paso—El Paso County Water Improvements Dist. No. 1 and Elephant Butte Irrigation Dist., vote Sept. 15 on joint cooperation in development of hydro-electric power from Elephant Butte dam; if election carries plan second election for voting on finance plan. 7-19

Tex., McCamey—Roxana Petroleum Co., Shell Bldg., St. Louis, Mo., will construct 2700 ft. of 12 kv. primary, 3 phase line to service oil fields in Crockett, Upton, Pecos, Crane and Reagan Counties.

Tex., Fort Worth—City Council authorized City Mgr. to call for new bids for W. Seventh St. lighting system, Van Zandt viaduct to Camp Bowie Blvd.; will ask for bids on all types of poles, conc., steel and cast iron.

Tex., Leakey—Central Power and Light Co., Frost Bldg., San Antonio, constructing \$75,000 line from Camp Wood to here.

Tex., Stamford—City approved plans for white way installation, city to furnish current and maintenance through West Texas Utilities Co., Abilene.

Fertilizer Plants

La., New Orleans—Davison-Pick Fertilizers, Inc., controlled by Davison Chemical Co., Garrett Bldg., Baltimore, Md., constructing wharf on Mississippi River for handling ocean-going cargoes; new steel building with bridge cranes and modern fertilizer equipment and additional railroad siding; replacing some old equipment with modern and larger units; improvements made under supervision of engineering department Davison Chemical Co.; Theodore O. Hotard, 1337 Brooklyn St., has contract for pile work; Lukens Steel Co., Poland and Rocheblave Sts., both New Orleans, for building; Atlanta Utility Works, East Point, Ga., for fertilizer mch.; Harnischfeger Corp., Milwaukee, Wis., for bridge cranes. 8-23

Md., Baltimore—Davison Chemical Co., Garrett Bldg., increased capital stock 400,000 shares, no par value to 1,000,000 shares, no par value.

Flour, Feed and Meal Mills

Ark., Pine Bluff—Whyte Feed Mills, 401 Georgia St., remodel and enlarge present plant, output 200 tons grain and mixed feed; wood, conc. and steel, wood floors, comp. roof, cost of building \$15,000, of equipment \$10,000; W. C. Pitts Engineering Co., Constr. Engr., 807 Dermon Bldg., Memphis, Tenn.; install elevating, cleaning, grinding machinery, scales, etc.; S. Howes Co., Silvercreek, N. Y.; B. F. Gump & Co., 431 S. Clinton St., Chicago, Ill.; W. C. Pitts Engr. Co., Memphis, Tenn.; Evans Wright Scale Co., Columbus, O., Mch. Contrs. See Want Section—Machinery and Supplies. 9-6

Foundry and Machine Plants

Tenn., Chattanooga—International Combustion Engineering Corp., 200 Madison Ave., New York, completed negotiations for purchase of Hedges-Walsh-Weidner Co., a recent combination of Casey-Hedges Co. and Walsh & Weidner Boiler Co.; will function through operating subsidiary the Combustion Engineering Corp. 6-21

Tex., Edcouch—A. P. Peters of Edcouch Machine & Electric Co. erect 2-story machine shop, Santa Rosa Ave.; fireproof; Stone & Phillips, Weslaco, Contrs.

Tex., Fort Worth—American Mfg. Co., Weatherford, plans removing remainder of equipment to auxiliary plant at Hodge Station.

Gas and Oil Enterprises

Ala., Lomax—The Texas Co., Houston, Tex., J. H. Ravor, Mgr., let contract to Alvie Bussie, Route No. 4, Clanton, for erection plant, warehouse, 50x30 ft., and two tanks, capacity 18,000 gals. each; corrugated sheet iron and tanks erected on brick foundation; install pump house and pump, loading shed, etc. 7-19

Arkansas—Arkansas Power and Light Co., Little Rock, granted permission by Memphis Natural Gas Co., Memphis, Tenn., to distribute gas from company's lines in Arkansas, including Chicot, Eudora, Readland, Lake Village, Dermott, etc.

Ark., Fayetteville—City granted John McCullough, Tulsa, Okla., 50 year franchise. 8-30

Ark., Little Rock—Arkansas Natural Gas Corp., George T. Koch, Chief Engr., Shreveport, La., let contract to Booth & Flinn, Ltd., 1942 Forbes St., Pittsburgh, Pa., for constructing pipeline from Clarksville in Johnson County, northwest Arkansas, to Little Rock, distance of 107 m.les; to be completed December 15; 33-pound, 10½-in. O. D., seamless pipe in 30 foot lengths from Spang, Chalfant & Co., Inc., Union Bank Bldg., Pittsburgh; flanged lubricated plug type valves, Merco Nordstrom Valve Co., 121 Second St., San Francisco, Calif.; bitumastic enamel protective pipe coating for one-half line from Wailes-Dove-Hermiston Corp., 17 Battery Place, New York; Biturine enamel for other half from Hill Hubble & Co., 115 Davis St., San Francisco, Calif.; entire line to be acetylene welded, welding supplies from Bain Bealrd Co., 829 Reynolds St., Shreveport. 7-12

Ark., Little Rock—Arkansas Natural Gas Corp., George T. Koch, Ch. Engrs., Shreveport, has begun construction supply line Little Rock to Conway; supply gas to Public Utilities Corp., which company has franchise. 7-12

Ark., Little Rock—Arkansas Natural Gas Corp., Geo. T. Koch, Ch. Engr., Ardis Bldg., Shreveport, La., reported, awarded contract to Spang, Chalfant & Co., Pittsburgh, Pa., for 66 miles 10-in. seamless line pipe. 7-12

La., Shreveport—Natural Gas Drilling Co., incorporated; H. H. Alvord, Jr., 2129 Highland St.

La., Winnfield—Southern Gas Line, Inc., subsidiary of Columbian Carbon Co., 45 E. 42nd St., New York, let contract to G. R. Runwick for 21 miles of welded 6-in. gas main from Tullis to Winnfield to supply Winnfield with natural gas.

Miss., Clarksdale—Mississippi Power and Light Co., Jackson, reported, granted permit by Memphis Natural Gas Co. to distribute natural gas throughout the State where facilities for distribution are provided; pipe line of Memphis Natural Gas Co. will cross Mississippi River near Swiftwater, 8 miles south of Greenville.

Mo., Irondale—Irondale Gas & Oil Co., John G. Walton, Pres., Belgrade, will erect storage tanks, 36x26-ft. oil house; owners builders; purchased equipment from Leader Iron Works, Decatur, Ill. See Want Section—Machinery and Supplies.

Mo., Maplewood—Litzsinger Oil Co., 7900 Manchester St., incorporated; Edward and J. Milton Litzsinger.

Mo., St. Joseph—St. Joseph Railway, Light, Heat and Power Co., subsidiary of Henry L. Doherty & Co., 60 Wall St., New York, acquired St. Joseph Gas Co.; Gas Service Co., Dwight Bldg., will be holding company.

Okla., Muskogee—Kim Oil Co., capital \$25,000, incorporated; C. I. Goodman, E. W. Kimbley.

Okla., Tulsa—Altitude Petroleum Corp., capital \$50,000, incorporated; I. A. Anson, 1827 E. 17th Pl.

Okla., Tulsa—Sooner Oil and Gas Co., capital \$50,000, incorporated; M. E. Shumard, George F. Collins.

Tenn., Memphis—P. W. Chapman & Co., Inc., New York City, will soon offer \$6,300,000 first mortgage bonds of Memphis Natural Gas Co. as an initial step in financing \$10,000,000 pipe line. 9-6

Tenn., Memphis—Briscoe Oil Co., Highland Ave. and N. C. and St. L. R. R., will erect office, warehouse, tanks, pipe line, garage, etc.; wood, sheet iron, 20x16 and 24x40 ft.; install loading and unloading equipment; equipment purchased from Chattanooga Boiler and Tank Co., 1011 E. Main St., Chattanooga; Orgill Bros. Co., 505 Tennessee St.; J. E. Dilworth Co., 493 S. Main St.; later may install 20,000 gal. storage tank. 8-16

Tenn., Memphis—Urania Petroleum Co., Ltd., Hollywood, acquired refinery, capacity 1000 bbls., manufacture refined products including gasoline, kerosene, etc.; tank storage 18,000 bbls., 12 car loading rack, and 10 acres. 9-6

Tex., Amarillo—Dixon Creek Oil Co., Amarillo Bldg., acquired tract of 860 acres in Moore County; will develop.

Tex., Amarillo—Texas Corp., 17 Battery Place, New York, reported, erect 10,000 bbl. refinery, lay pipe line from west Texas field of Winkle County.

Tex., Beaumont—Lang Oil and Gas Co., capital \$50,000, incorporated; H. E. Dawson, W. J. Lang.

Tex., Big Springs—Texas and Pacific Railway Co., E. F. Mitchell, Ch. Engr., Dallas, erecting twelve 80,000 bbl. tanks 3 miles east of here; construction by United Iron Works, Ridge Arcade Bldg., Kansas City, Mo.; W. Boyd, in charge of erection.

Tex., Big Springs—Great West Pipe Line Co., incorporated by Reese S. Allen, City Natl. Bk. Bldg., Wichita Falls, and associates; plans refinery for Big Springs and pipe line for Howard County from Chalk-Roberts field to Big Springs; Mr. Allen now operates refineries at Pampa and Amarillo; has acquired Interstate Gasoline Co.'s 2000 bbl. capacity plant at Iowa Park, together with steel tankage and miscellaneous equipment; will dismantle plant and remove to Big Springs. 8-30

Tex., Big Springs—Cosden & Co., Fort Worth Natl. Bank Bldg., Fort Worth, construct 12 mile of 8-in. welded pipe line from Howard County to refinery here; Texas and Pacific Railway, contracted for 1,000,000 bbls. of fuel oil.

Tex., McCamey—Phillips Petroleum Co., Bartlesville, Okla., constructing absorption type gasoline plant near McCamey, handling 50,000,000 cu. ft. gas daily; using Clark engines; West Tulsa Boiler Works tanks and equipment; most of other materials purchased locally.

W. Va., Romney—Hampshire Oil and Gas Co., capital \$500,000, incorporated; J. E. Cunningham, E. O. Virgman.

Ice and Cold-Storage Plants

La., Francisville—See Electric Light and Power.

Miss., Hollandale—Glen Allen Ice Co., E. W. Scott, erect 10 ton ice plant at Glen Allen.

Tex., Edinburg—Pacific Fruit Express Co. let contract to Ware Co., 1614 E. Missouri St., El Paso, for additional ice storage plant of 10,000 tons; install compressor; conc. and steel construction with cork lining.

Tex., Fort Worth—Dry Ice Corp. of Texas, Clyde Kavanaugh, V. P. Houston and Assn. of Commerce interested in auxiliary plant for manufacturing of dry ice.

Tex., Fort Worth—Texas Ice and Refrigerating Co., 1201 Jones St., let contract to C. T. Hodge at \$10,000 for ice manufacturing and cold storage plant; daily output 80 tons ice; 50x50 ft. freight room; conc. floors.

Va., Richmond—Hermitage Ice and Storage, Inc., Hermitage Road, Robt. K. Turner, Sec., will construct ice manufacturing and cold storage plant at Leigh St. and Hermitage Road, adjoining present building; later plans erection of additional plant for East End.

Iron and Steel Plants

Tenn., Chattanooga—S. C. Weber Iron and Steel Co., 38th St., acquired plant and equipment of Chattanooga Iron and Coal Co., at 14th and Elm Sts., from F. K. and E. P. Rosamond; will dismantle old furnace.

Land Development

Ark., Fort Smith—Parks and Playground Comm., Harry Robinson, plans improvements to park including 4 tennis courts.

Fla., Hallandale—South Florida Packing Co., James A. Boehm, Pres., developing 50 acres for general farming, 10 acres completed; construct packing plant. See Want Section—Machinery and Supplies.

Ark., Hot Springs—See Miscellaneous Enterprises.

Fla., Jacksonville—Jacksonville-Monticello Realty Co., incorporated; F. E. Jennings, Graham Bldg.

Fla., Miami Beach—Estate Realty Corp., capital \$100,000, incorporated; S. Grover Morrow, 34 W. Flagler St.

Fla., Miami Beach—J. B. Lemon, Director of Recreation, has tentative plans for city playground; construct tennis courts; install 24-ft. slide, seesaws, swings and other amusement equipment.

Fla., Pomona—Florida Peninsular Grape Growers Corp., capital \$500,000, incorporated; Adolph Link, C. O. Shepherd; develop 1000 acres in vineyards; acquired 1600 acres in Camphor Farm tract, initial development 200 acres.

Fla., Stuart—Martin Chamber of Commerce negotiating with Fifty Associates, Inc., Miami, for development of 10 acre guava grove and jelly factory.

Fla., Winter Park—Price & Babcock Co., Harry Price, Pres., develop 35 acres in citrus fruits.

Ga., Atlanta—Colonial Club, Harrie M. Ansley, 185 Avery Dr., has option on 125 acres Collier Road for 18 hole golf course; O. I. Freeman, Engr., 101 Marietta St.

La., Lafayette—City votes Oct. 9 on \$50,000 park bonds.

La., Meridian—John W. Lewis, Sr., Opelousas, and G. J. Deville, Ville Platte, acquired saw mill town at Meridian, including 160 houses, commissary building, hotel, etc.

Md., Baltimore—Eaton & Cook, Inc., Munsey Bldg., chartered; Samuel B. Eaton, Claude A. Cook.

Md., Baltimore—The Yewell Corp., Calvert and 30th St., incorporated; Fulton E. Yewell.

Md., Catonsville—William Bernard, Inc., 629 Plymouth Road, incorporated; Wm. Edgar Marling.

Miss., Pass Christian—Gulf Bay Land Co., New Orleans, La., acquired Pass Christian Isles at Henderson's Point.

Mo., Aurora—Ozark Grape Products Assn., incorporated; Vole L. Nance, George L. Hunt, both Hollister.

Mo., Booneville—W. E. Thomas, 218½ W. Lexington St., Kansas City, acquired Island No. 29 in Missouri River, 2000 acres, 600 acres for cultivation.

Mo., Kansas City—Sears Realty Co., incorporated; John T. Sears, 504 Victor Bldg.

Mo., Kansas—Romaine Development Co., incorporated; Earl R. Millis, 1016 N. Sixth St.

Mo., Kansas City—Rockhill Realty Co., capital \$35,000, incorporated; Thomas J. Clark, 5618 Harrison St.

Mo., St. Louis—Federer Development Co., incorporated; Charles A. Federer, 4861 Arsenal St.

N. C., Brevard—Curtis Land Co., capital \$25,000, incorporated; T. H. Shipman, Brevard; Welch Galloway, Asheville.

Okla., Oklahoma City—G. A. Nichols, Inc., 115 N. Harvey St., developing subdivision; constructing buildings; preparing specifications for water system and sewage system. 7-5

Okla., Oklahoma City—John J. Harden, Inc., 205 Petroleum Bldg., developing 145 acres for residential, apartments and business properties; install gas lines, water, sewers, electricity, paving streets, tennis courts, etc.; B. G. Maftager, Archt., 2701 W. Nineteenth St.; Warren E. Moore, Landscape Archt., Oil Exchange Bldg. 8-16

Okla., Seminole—City voted park bonds. See Financial News. 8-9

Tenn., Memphis—J. T. Redding & Co., incorporated; John L. Exby, Columbian Mutual Bldg.

Tenn., Memphis—J. Clay Tate, Memphis, acquired Axson Evans plantation, 1200 acres in De Soto County, Miss., 14 miles from here; plans improvements.

Tenn., Rockwood—Belvidere Properties, Inc., incorporated; F. H. Washburn, Andy Elmore.

Tex., Austin—City, A. P. Wooldridge, Mayor, plans employing park and boulevard designer and landscape engineer to prepare plans for proposed \$700,000 park and playground improvements.

Tex., Corpus Christi—W. F. L. Lehman acquired 320 acres.

Tex., Dallas—Jack Nance, San Angelo, will lay out 18 hole golf course on Davis St. Pike, tract of 120 acres.

Tex., Fort Worth—City plans development 300 acres along Mary's Creek for park and golf course.

Tex., Harlingen—Kempner Interests, U. S. Natl. Bank Bldg., Galveston, acquired 1100 acres near Los Fresnos; will develop for Kemper Citrus Groves; construct canals and roads.

Tex., Houston—H. G. Fields, Public Natl. Bank Bldg., acquired tract of land adjoining Temple Terrace; develop subdivision.

Tex., Houston—Phil Davant and O. L. Eversberg, West Bldg., acquired 890 acres on Hempstead Road.

Tex., Houston—Valhalla Burial Park Assn. develop 65 acres south of Brays Bayou for development of "Valhalla" cemetery; erect \$70,000 chapel; American Legion will erect \$25,000 monument.

Tex., Houston—Barnard Realty Co., increased capital, \$10,000 to \$200,000.

Tex., Iowa Park—Greet Staple Cotton-breeding Farms, Inc., capital \$50,000, chartered; C. E. and R. A. Birk.

Tex., San Antonio—San Antonio Suburban Irrigated Farms, J. E. Jarratt, Pres., Frost Natl. Bank Bldg., Chas. F. C. Ladd, colonizer and developer, is receiving bids for clearing and grubbing approximately 400 acres land in about 50 to 75 miles of road and also construction of 100 to 200 mile fence, in connection with 40,000 acre Medina Valley irrigation project; Bexar-Medina-Atacosta Counties Water Improvement Dist. No. 1 is re-

ceiving bids on clearing and grubbing approximately 800 acres of land in about 100 miles of right of way of canals and laterals; work includes territory bounded by towns of Lytle, Atascosa County; MacDon, Bexar County, and LaCoste, Medina County, and is first step toward preparing Units Nos. 4 and 5 of Medina Irrigation Project for sale and settlement; about \$200,000 will be expended in development work in Unit No. 4 this fall and winter. 5-24

Tex., San Benito—Elliott Development Co., incorporated; Jack Elliott, J. L. McClurkin.

Tex., Three Rivers—See Drainage, Dredging and Irrigation.

Va., Clarendon—Hillcrest Development Co., Inc., capital \$50,000, chartered; Ethel O. Alger, Oscar M. MacCullen.

Va., Norfolk—W. T. Gresham & Co. has contract for clearing 70 acres at Ocean View for golf course.

Va., Salem—Sherwood Burial Park, Inc., develop 40 acre cemetery; expend \$15,000. 8-13

Lumber Enterprises

Ala., Greenville—V. C. Stabler acquired plant and property of A. D. Pryor and E. M. Lewis, Jr., operating Hardwood Lumber Co.

Fla., Montgomery—Foshee Manufacturing Co., capital \$100,000, incorporated; W. E. Foshee, 1224 S. Perry St.

Ga., Brunswick—Waynesville Naval Stores Co., capital \$40,000, incorporated; C. P. Dusenbury, Millard Reese.

Ga., Macon—Macon Planing Mill Co., capital \$50,000, incorporated; H. H. Coombs, F. W. Davis.

La., Opelousas—Thistlethwaite Lumber Co., installing dry kiln, capacity 60,000 ft. lumber; of reversible cross circulation type; cost \$20,000.

Md., Frederick—Wilcoxon & Brown Lumber Co., 100 W. South St., incorporated; S. Elmer Brown.

Miss., Tehula—W. M. Unger will remove sawmill located at Little Warfield Plantation to Tehula; install planer and woodworking plant; has option on 1600 acres of timber land.

Mo., Golden City—Golden City Lumber Co., capital \$20,000, incorporated; W. T. Lee, Golden City; T. N. Roberts, Carthage.

Metal-Working Plants

Ga., Savannah—Lerle Patent Cup Co., 201 S. Royal St., Mobile, Ala., manufacturers of metal turpentine cups, plan establishing branch metal cup and apron plant; install machinery shipped from Mobile plant, where company manufactures its own equipment.

Mo., St. Louis—Schlueter Mfg. Co., 4616 N. Broadway, let contract to Humphreys Construction Co., East St. Louis, Ill., at \$15,000 for repairing metal ware plant.

Mining

Ark., Caddo Gap—American Crystal Co., incorporated; W. D. Filkins, Caddo Gap; R. L. Jones, Norman.

Ga., Cuthbert—H. M. Godfrey, A. P. Phillips, Jr., 1073 Springdale Rd., N. E., both Atlanta, of Investment Bankers Corp., interested in developing travertine deposit; operation to be started soon.

Tenn., Copperhill—Tennessee Copper and Chemical Co., 61 Broadway, New York, reported, let general contract to Ferro Concrete Construction Co., Third and Elm Sts., Cincinnati, Ohio, for 210x420-ft. addition to plant; portion of unit to be used for storage and distributing service; cost with equipment over \$400,000.

Tex., Houston—Tidewater Gypsum Co., increased capital to \$1,500,000.

Tex., Richland—James Stone Co. increased capital \$175,000 to \$225,000.

Tex., San Antonio—Standard Rock Asphalt Co., 307 Brad' Bldg., Ferd D. Wood, Sec. Treas., organized with \$600,000 capital for mining limestone rock asphalt, leased holding of 4562 acres in Uvalde and Kinney Counties; constructing buildings and railroad of approximately 2 miles, work by company's forces. See Want Section—Machinery and Supplies. 9-6

Miscellaneous Construction

Ala., Mobile—City Comm. requested Alabama State Docks Comm. to make investigation, etc., for building of 1,000,000 bu. grain elevator.

Ala., Mobile—City plans \$30,000 swimming pool at Crawford Park.

Arkansas—War Dept., Mississippi River Commission, First and Second Districts, U. S. Engineer Office, 1006 McCall Bldg., Memphis, Tenn., received following low bids for levee construction, bids received Sept. 3, designated below by number, name, location, kind of work, yardage, name of contractor, price b.d.: No. 1—Levee Dist. No. 2 of Dunklin County, Mo., left bank of St. Francis River, 2 miles south of St. Francis, Ark., new loop about 720 ft. on river side of crevasse, 7000, Bunnell & Mack, Paragould, Ark., \$48; No. 2—Drainage Dist. No. 25 of Dunklin County, Mo., left bank of St. Francis River, 1 1/4 mi. N. W. of Kennet, Mo., new loop 820 ft. long, 9000, Bunnell & Mack, \$48; No. 3—Jackson County Levee Dist. No. 2, Jackson County, Mo., along left bank of Black and White Rivers, near Jacksonport, Ark., to Newport levee, Newport, Ark., loop about 2500 ft. long on land side of crevasse and refill 9 other crevasses along levee, 45,000, Keel & Keel, Newport, Ark., \$30; No. 4—Bateman Levee No. 3 of Jackson County, Ark., right bank of White River opposite mouth of Black River and extreme lower end of Oil Trough Bottoms in vicinity of Surrounded Hill, Jackson County, Ark., repair 9 crevasses, 6300, Brown & Denison Contracting Co., Cushman, Ark., \$365; No. 5—Village Creek Levee, White River Levee Dist. (Stephens-Keel Levee) in Jackson County, Ark., left bank of Village near Newport, Ark., refilling one crevasse, 23,000, F. D. Harvey & Co., Memphis, Tenn., \$2925; No. 6—Gibson Levee, Woodruff County, Ark., ten miles northeast of Augusta, Ark., repairing six crevasses, 9300, Bunnell & Mack, \$75; No. 7a—Conway County Levee Dist. No. 1, Ark., about seven miles along left bank of Arkansas River, beginning in Plumerville and ending in Menifee, excepting portion running northward from river around Old River Lake, refilling crevasses, 36,000, O. M. New, Conway, Ark., \$29; No. 8—Perry County Levee Dist. No. 1, Ark., right bank of Arkansas River near Conway, Ark., refill 12 crevasses, 8000, O. M. New, \$40; No. 9—Faulkner County Levee Dist. No. 2, Ark., along left bank of Arkansas River, west of Mayflower, Ark., refill 50 crevasses, 45,000, O. M. New, \$30. 8-30

Fla., Cocoa—Henry W. Ewing, 10616 Prospect Ave., Chicago, Ill., let contract to W. D. Joyner, Melbourne, for \$20,000 pier and V-shaped breakwater at Canaveral Harbor for F. S. Johnston & Sons Fish Co. as landing dock; 316 ft., creosoted pine piling, 15 ft. wide, with a T-head of 40x50 ft., upon which will be built a warehouse for fish packing.

Mo., Portland—War Dept., Washington, expend \$250,000 for channel project in Missouri River; plans system of dikes 5 miles long; Gordon R. Young, Dist. Engr., Kansas City, in charge Missouri River development.

Tex., Beaumont—City, Ed. W. Gross, Mayor, advocates expenditure of \$2,000,000 for expanding city wharf facilities.

Tex., Galveston—County Commrs. will soon let contract for construction of ferry landings at Bolivar Point and at Pier 9; work includes dredging channel to connect with deep water of Bolivar roads in addition to adequate turning basin; will dredge approximately 50,000 cu. yds. material; construct pile bulkhead to act as retaining wall.

Tex., Galveston—Ferry Landings—City Comm. received bid at \$110,819 from John Jacobson, 2311 1/2 C St., for ferry landings at Port Bolivar and at Ninth St., Galveston Island. 8-16

Miscellaneous Enterprises

Ala., Athens—City negotiating with Borden Southern Co., Lewisburg, Tenn., and Starkville, Miss., for milk station.

Ala., Gadsden—X. L. Manufacturing Co., organized with J. C. Greene, Pres., Otto Agricola, Sec. Treas.; establish plant for enameling cast iron parts for ranges, such as doors, handles, etc.

Ala., Mobile—General Cable Corp., 420 Lexington Ave., New York, recently let contract to Doullut & Ewin, Inc., Meaher Bldg., Mobile, and Queen and Crescent Bldg., New Orleans, La., for construction of wire mill; building will be 120x540 ft.; pile foundations, rein. concrete and structural steel; pile driving operations started; contract time four months. 6-28

Arkansas—Southwest Dairy Co., Dallas, Tex., acquired ice cream plants throughout Southeast Arkansas, owned by Grisham Ice Cream Co.; plants are at Searcy, Little Rock, Conway, Morrilton, Warren and McGehee.

Ark., Blytheville—C. R. Babcock and Harry W. Haines, Hastings, Neb., acquired Blytheville Courier News.

Ark., Camden—Rockwell Redwood Screen Co., J. D. Reynolds, Pres., have taken over

sheds and plant property of former Eagle Lumber Co.; will be assembly plant for California redwood; stock will be purchased machined and ready to assemble; also plans to add other units; manufacture redwood screen doors, window screens and sectional porch screens. 9-6

Ark., Fayetteville—Process Nuts—Blodgett Nut Co., incorporated; J. A. Blodgett.

Ark., Hot Springs—Sleepy Water Co., S. H. Kaplan, Pres., will expend \$50,000 for improvements to Sleepy Springs, a 40 acre tract near Little Rock-Hot Springs Highway; construct water plant and laboratory, also power plant; 100x39 ft., rein. conc. and brick; erect club house and other buildings; landscape entire acreage; E. M. Feinstein, Engr. in charge of construction.

Ark., Hot Springs—City votes Sept. 25 on \$41,050 fire fighting apparatus bonds.

Ark.-Tex., Texarkana—George W. Lambert, Dr. R. N. Mitchell interested in organizing company to manufacture electric therapeutic devices; office at 602 Texarkana Natl. Bank Bldg.

Fla., Clewiston—Southern Sugar Co., B. G. Dahlberg, Pres., 645 N. Michigan Ave., Chicago, Ill., construct \$11,500 water filtration plant at Canal Point. 12-15

Fla., Cocoa—See Miscellaneous Construction.

Fla., Palatka—Southern Products Co., A. J. Ammon, Propr., plans doubling capacity of ginned moss plant, present capacity 1200 lbs. daily.

Fla., St. Petersburg—Barnard Engineering Co., incorporated; Claud Barnard, Jr., 824 Second Ave., N.

Fla., Sanford—Sanford and Jacksonville Boat Line, Capt. F. L. Allen, Pres., considering new water freight service between Sanford and Jacksonville; have leased former Clyde Line dock and warehouse.

Fla., Tampa—Perry Paint and Glass Co., E. Lafayette St., let contract to Logan Bros., 706 Franklin St., for \$100,000 paint plant adjoining glass plant.

Ga., Atlanta—Flagler Co., Red Rock Bldg., has contract at \$20,000 for constructing metal loading shed and general alterations and repairs for National Biscuit Co.'s building, 34 Elliott St., N. W. 8-30

Ga., Columbus—National Bus Directory Co., Inc., 25 Thirteenth St., capital \$10,000, incorporated; J. B. Knight, Pres., later plans erecting building; install office equipment purchased from Columbus Office Supply Co., 12th St.

Ga., Valdosta—J. B. Southall, Supt. of Constr., Government fish hatchery, considering sinking deep well in Sunset Lake for permanent hatchery.

Ky., Berea—Berea Kiwanians interested in establishment of creamery.

La., Alexandria—Alexandria Duco Paint Co., Inc., chartered; C. C. Conrad, C. W. Kellam.

La., Bogalusa—Bogalusa Printing and Publishing Co., Inc., capital \$25,000, incorporated; H. C. Richardson, E. L. Engerran.

La., New Orleans—Rubber Products Co., Inc., chartered; C. R. Johnson, 845 St. Charles St.

La., New Orleans—Laundry & Dry Cleaning Service, Inc., Union Indemnity Bldg., has plans by Francis J. MacDonald, Archt., Hibernia Bldg., for 29x123-ft., 1-story brick laundry and dry cleaning plant on Marigny St.; cost \$10,000.

La., Shreveport—Libbey-Owens Sheet Glass Co., Toledo, Ohio, reported, planning purchase and re-organization of U. S. Sheet and Window Glass Co.; vote in Toledo, Sept. 19, on proposition; probably manufacture at Shreveport plant the laminated windshield glass by newly invented process.

La., Shreveport—Tri-State Journal Publishing Co., Inc., chartered; J. E. Knighton, 940 Margaret Pl.

La., Shreveport—B. & B. Cut Stone Co., Inc., capital \$25,000, chartered; G. B. Braucht, F. D. Bolton.

Md., Baltimore—Consolidated Gas, Electric Light and Power Co., Lexington Bldg., expending \$550,000 for increasing present capacity of recently acquired plant of Terminal Freezing and Heating Co.; increase capacity of present boilers by about 50% by installing forced feed blast fans; work to be finished in less than 4 months; supply steam from central plant for heating downtown office buildings; also install 5000 h. p. boiler, two 60,000 gal. tanks for boiler feed water; extend distribution system.

Mo., Silver Springs—Silver Springs Dyeing and Cleaning Co., capital \$100,000, incorporated; Deatry C. Ingledaw, Silver Springs; John H. Verkouteren, Rust Bldg., Washington, D. C.

Miss., Laurel—Palace Laundry, A. R. McKinley, Mgr., 1064 Second Ave., will rebuild burned laundry and dry cleaning plant; 70x100 ft., brick and steel, conc. floor; cost \$10,000; Sam Lendsey, 1128 Second Ave., Contr.; install laundry equipment. Machinery and Supplies.

Miss., McComb—Tuf Nut Garment Mfg. Co., Pearl River Ave., East McComb, erect 3-story brick and rein. conc., fireproof addition to garment plant; triple present output. 3-8

Mo., Cape Girardeau—Wielpuetz Bakeries, advises will probably be year or two before plant is erected. 8-30

Mo., Gilman City—Whitten Metal Chicken Roost and Mfg. Co., incorporated; E. D. Wolts, B. H. Brown.

Mo., Hermann—Missouri River Towing Co., incorporated; Gustave Wehl, Frank W. Ingram.

Mo., Kirksville—Peoples Laundry and Dry Cleaning Co., capital \$43,000, incorporated; A. J. Wesley, Fred Tull.

Mo., Kansas City—Heck Electric Lawn Mower Co., H. L. Heck, Pres.-Gen. Mgr., 1016 Baltimore Ave., recently incorporated with \$50,000 capital; will assemble patented electric lawn mower having rotary cutting blades revolving 3500 times a minute and driven from shaft of motor which is $\frac{1}{4}$ h. p. but develops $\frac{1}{2}$ h. p.; machine equipped with vacuum arrangement to draw all cuttings back into a bag; for present will have parts assembled by outside company, later will erect own assembling plant. 8-16

Mo., Kansas City—Plaster Ornaments—W. H. Jennens Mfg. Co., 2315 Harrison St., erecting 3 story, 50x142 ft. building at S. E. corner Twenty-third and Harrison Sts.

Mo., Kansas City—M. A. Friedman (Distributor of Kraft Cheese), 117 Westport Ave., erecting 1-story building on Forty-third St. and Wornall Rd.; install cork lined and electrically equipped storage room; Greenebaum, Hardy & Schumacher, Archts.

Mo., Kansas City—Mi-Lane Theatre Co., incorporated; Frank A. Lane, Victor Bldg., Kansas City; Ray Miller, Booneville.

Mo., Lebanon—Paul Page acquired Lebanon Rustle, weekly newspaper; will operate.

Mo., Nevada—Kaupp Greenhouse Co., capital \$20,000, incorporated; George A. Kaupp, Harry Angel.

Mo., Sedalia—City let contract to General Manufacturing Co., 4127 Forest Park Blvd., St. Louis, at \$12,500 for 750 gal. pumper for Fire Dept.

Mo., Slater—Rice-Stix Dry Goods Co., 1002 Washington St., St. Louis, started excavating for men's rayon underwear plant; 93x150 ft., 2-story, brick, Barrett gravel roof; cost \$65,000; Percy Stemmeons, Houstonia, has contract at \$55,000; A. E. Garland, Archt., 317 N. 11th St.; J. Boehmer, Constr. Engr., Rice-Stix Bldg., both St. Louis. 8-23

Mo., St. Louis—Amusements—Golden Gate Garden, Inc., incorporated; Frank L. Hule, Morrison Hotel.

Mo., St. Louis—Mid-West Publishers, Inc., incorporated; Carl C. Schreiner, Jr., 4151 Junata St.

N. C., Asheville—J. A. Baker Packing Co., Riverside Dr., reorganized as Baker Packing Co., with authorized capital of \$500,000.

N. C., Charlotte—United States Conditioning, Analyzing and Testing Co., plans erecting 3 story building at Thirteenth and Tryon Sts., for analyzing and testing textile yarns and fabrics; rein., conc. and steel.

N. C., Clinton—Clift Amusement Co., capital \$50,000, incorporated; N. L. Clay, M. Y. Adkins.

N. C., Greensboro—State Novelty Mfg. Co., capital \$50,000, incorporated; Bascom Baynes, D. M. Morris, College Park; take over Novelty Mfg. Co.

N. C., Greensboro—Printing Roller Mfg. Co., let contract to F. A. Watson, for alterations to plant.

N. C., Henderson—Henderson Bag Co. constructing brick and cement building for storage; 150x300 ft.; cost \$75,000.

N. C., Winston-Salem—Builders—S. S. Bohannon & Co. incorporated; S. C. and John Bohannon.

Okla., Durant—Durant Peanut Co., 401 Clark St., R. V. Higginbotham, Pres., constructing shelled peanut, pecans and by-products plant, daily output $2\frac{1}{2}$ cars; 2-story, 50x100 ft., 1-story, 80x100 ft., and 1-story, 30x90 ft.; framed with sheet iron; conc. and wood; sheet iron roof; cost of building \$13,000, of equipment \$12,000; J. P. Graham, Constr. Engr.; C. M. Allen, Archt.; construction by day labor; install 125 hp. and 10 hp. General Electric motor and 5 shellers.

Okla., Tulsa—Review Co., capital \$50,000, incorporated; T. A. Latta, 2836 E. Eighth St.; newspaper publication.

S. C., Charleston—City will soon call for bids for equipment for abattoir; R. B. Bennett, Supt.

S. C., Spartanburg—Rogers Fibre Co., 210 Lincoln St., Boston, Mass., and 22 W. Fifth St., Charlotte, N. C., leased building, will improve for plant for manufacture of "Leatheroid" line of textile mill receptacles such as roving cans, baskets, car stock boxes and trays.

Tenn., Chattanooga—Turner Manufacturing Co., capital \$20,000, incorporated; J. F. Turner, E. H. Dobbs; establish handkerchief manufacturing plant on Main St. at Williams.

Tenn., Kingsport—Mead Fibre Co., Dayton, Ohio, let contract to Pyle Bros. for additional building for finishing department.

Tenn., Memphis—Construction—Meers & Wallenya, Builders Exchange, incorporated; W. G. Meers.

Tenn., Memphis—Advertising—Welcome Wagon Service Co., Inc., capital \$25,000, chartered; R. C. Berry, 1600 Columbia Mutual Bldg.

Texas—Wade & Newton, reported, let contract to O. S. Wallace, San Benito, for packing plant additions at Mission, McAllen, Donna, LaFeria and Harlingen; 1 story; frame and galv. iron.

Tex., Austin—State Game, Fish and Oyster Dept., granted permission by Bd. of Water Engrs. to take 400 acre ft. of water a year in a pumping plant project from Rancho Viejo Resaca, tributary of Rio Grande in Cameron County for fish hatchery.

Tex., Ballinger—Runnels County Co-operative Creamery, W. B. Currie, Pres., increased capital to \$25,000; enlarge plant.

Tex., Borger—Borger Publishing Co., incorporated; Ray Haggard, E. B. Huddleston.

Tex., Brady—W. D. Crothers, Chrm. of local committee to raise \$100,000 for location of powdered milk plant; Douthitt Engineering Co., 100 W. Monroe St., Chicago, Ill., will probably install machinery; erect 3 milk cooling stations at Eden, Mason and Richland Springs; plant will have handling capacity of 30,000 lbs. butterfat daily; will serve McCulloch, Concho, San Saba and Mason Counties.

Tex., Cameron—C. W. Lawrence interested in establishment of cheese factory.

Tex., Dallas—Electrified Water Co., Inc., capital \$14,000, chartered; A. C. Littlejohn, 3615 Princeton St.

Tex., Dallas—Southern States Iron Roofing Co., incorporated; Donald G. Isett, L. M. Cook.

Tex., Dallas—Allhands & Davis, 1116 Republic Bank Bldg., repairing building occupied by Jacob E. Decker Packing Co., 2227 Griffin St.; cork insulated roof; replace damaged coolers, etc.; Lindsley-Munn Const. Co., S. W. Life Bldg., Contr., and will supervise improvements. See Want Section—Building Materials and Equipment.

Tex., Dallas—L. J. Roter, Pres., Roter Pickle and Canning Co., will lease building, install machinery for pickle plant.

Tex., Dilley—James Howerton, Hallettsville, acquired Dilley Herald.

Tex., Galveston—Texas Fig Growers Assn. plans dehydrating plant on Texas gulf coast.

Tex., Henderson—Texas Milk Products Co. plans installing milk substation; John Alford, Chmn., Local Committee, to raise \$10,000 for plant.

Tex., Houston—Oriental Cleaners, Inc., Geo. N. Fodell, Pres., 1206 Houston St., erecting \$60,000 cleaning plant at 1300 Houston St.; 1 story, rein. conc.; install \$30,000 equipment; Don Hall, Contr., Cotton Exchange Bldg. 6-28

Tex., Houston—Photomaton Corp., 721 Main St., capital \$20,000, incorporated; S. A. Birdsong, H. Fowle, Sr.; operates automatic photograph studios.

Tex., Liberty—City voted \$10,000 for fire department equipment. 8-30

Tex., Merkel—Chauncey Glover, Waco, acquired Merkel Messenger.

Tex., Olmito—State will erect fish hatchery; construct conc. basins near Rancho Viejo resaca; excavation for hatchery will require removal of 16,000 cu. yds. earth; cost \$30,000; State Bd. of Water Engrs., Austin, granted permit for water for hatchery.

Tex., San Antonio—Express Publishing Co. reported, awarded general contract to Jopling Construction Co., Fidelity Union Bldg., Dallas, for 5 story building with 3 story tower, Ave. E and Third Sts.; 188x141 ft., rein. conc.; refrigerating system throughout; Herbert S. Green, Archt., Alamo Bank Bldg.; W. E. Simpson & Co., Const. Engrs., 412 National Bank of Commerce Bldg.; West & Gutzeit, 425 Main St., low bidder at \$62,174 for plumbing and heating; Elevator Co. of America, 190 N. State St., Chicago, at \$29,700 for elevator; Graham & Collins Electric Co., 306 W. Commerce St., at \$18,880 for electrical work. 8-16

Tex., San Antonio—San Antonio Engineering Co., incorporated; Walter W. Simpson, E. P. Carter.

Tex., Vickery—R. W. Woodward and William Wallace, Garland, acquired Smith Dairy; will operate.

Tex., West—Jacob Thielman, Chilton, Wis., will install machinery and operate cheese plant; building and grounds to be furnished by city.

Virginia—State Comn. of Game and Inland Fisheries, Richmond, plan two fish nurseries at Marion and in Craig County; capacity 150,000 fingerlings; holding ponds of conc.; A. Willis Robertson, Chmn.

Va., Lovingsston—A. C. Joyner and J. V. Howell, Publishers of Amherst News, acquired Nelson County Times; will consolidate plants and publish papers at Amherst.

Va., Roanoke—Southern Varnish Co., capital \$200,000, incorporated; G. W. Hooker, Shenandoah Life Bldg., Roanoke; J. S. Norman, High Point, N. C.; acquired building on E. Campbell St., remodel for varnish and paint factory. 9-6

Va., South Hill—W. H. Butterworth will erect cheese and probably butter plant with daily output 400-500 lbs. cheese; 20x40 ft., wood, conc. floors, metal roof; install whey separator, boilers, press, vats, etc. See Want Section—Machinery and Supplies.

W. Va., Calumet—Calumet Manufacturing Co., capital \$125,000, incorporated; J. M. N. Downes, A. G. Shannon.

W. Va., Ravenswood—Isaac T. Cooper, Sherman, acquired Ravenswood News.

Motor Bus Lines and Terminals

Ark., Harrison—Pickwick Stage Co., acquired franchise for Harrison to Branson (Mo.) bus line.

Ga., Macon—Georgia Highway Express Co., 312 Cherry St., capital \$20,000, incorporated; H. Dillon Winship, Charles M. Huguley; continue established bus line.

La., Thibodaux—Independent Bus Line, Inc., chartered; Fritz Berger, Houma; Rudolph Whipple.

Mo., Cape Girardeau—J. E. Oliver, Van Buren, granted permission to operate motor bus line Van Buren to here.

Mo., Salisbury—Red Star Motor Coaches, Inc., granted permission to operate bus line between Snow Hill and Salisbury.

Mo., Jefferson City—June R. Rose, Atty. for Missouri Bus Assn., closed negotiation for 5 yr. lease on Heinrichs Building, 111 E. High St., for Union Motor Bus station; will remodel.

Tex., San Antonio—Ruby Lines, Inc., 516 Stieren St., capital \$25,000, incorporated; F. W. Ruby.

Tex., San Antonio—San Antonio Motor Freight Terminal, capital \$25,000, incorporated; H. D. Jenkins, 1420 W. Magnolia St.

Motor Cars, Garages, Filling Stations

Fla., Palm Beach—Palm Beach Co., Seaview Ave., has plans by Volk & Maass, Plaza Bldg., for auto salesroom, Country Road and Worth Ave.; 50x70 ft., conc. and tile, 1 story; will be occupied by Packard Motor Co., 1610 S. Poinsettia St.

Ga., Atlanta—Ivan Allen, 38 Marietta St., erect 1 story, metal garage at 57 Harris St., N. E.; 40x150 ft.; owner builds; day labor.

Ga., Brunswick—Glynn Motor Co. let contract to Ledsinger & Turner, 1624 Newcastle St., for 80x150-ft. garage, 1 and 2 stories; conc. floors; cost \$40,000; Francis L. Abreu, Archt., 1504 $\frac{1}{2}$ Newcastle St. 8-30

Ga., Brunswick—Georgia Motor Car Service Co., incorporated; F. M. Scarlett, Mrs. Julia M. Dart.

Ky., Hazard—Mrs. Mahala Miller, High St., let contract to Brown Bros. for 116x57-ft. garage, 2-story; fireproof; install pumps and tanks; Standard Oil Co. furnish equipment. 8-30

Ky., Louisville—Farrell J. Curran, Pres., Hurry-Up-Broadway, Inc., 329 E. Broadway, plans erecting motor tire repair shop, wheel shop on Broadway and Jackson St.

Ky., Mayfield—J. R. Usher & Sons, S. Sixth St., let contract to L. A. Tharp, W. Broad St., for 75x150-ft. garage and store; 75x150 ft., conc. floors. See Want Section—Miscellaneous and Machinery and Supplies. 8-23

La., Alexandria—King Motors, Inc., chartered; O. M. King, V. L. Freeman.

La., New Orleans—Menefee Motors Co., 2111 Burgundy St., let contract to Gervais F. Favrot, Balter Bldg., for 2-story, 108x184 ft., rein. conc., face brick and stone trim automobile sales building, Canal and S. Miro Sts.; contractor receiving sub-bids. 8-30

La., New Orleans—W. P. Bradburn, 1301 S. Liberty St., Jackson, erect 1 story building on Baronne St. for Glenn-Buick Co., Inc., 822 Howard Ave.

La., New Orleans—Chevrolet Motor Co., Detroit, Mich., let following sub-contracts for \$150,000 auto parts building on Jefferson Davis Parkway, Gervais F. Favrot, Balter Bldg., Gen. Contr.; comp. roofing, J. J. Clarke Co., Ltd., 1601 Julia St.; electric wiring and fixtures, Hart Enterprise Electrical Co., Inc., 826 Baronne St.; mill work, Phoenix Sash Factory, Inc., 2728 N. Derbigny St.; painting, A. Schnyder, 3613 Magazine St.; plastering, Moroney & Middleton, Canal Bank Bldg.; plumbing, heating and gas fittings, Cabrac-Gelpi Plumbing and Heating Co., 636 Carondelet St.; sheet metal work, Standard Sheet Metal Works, 635 St. Peters St. 8-16

La., Shreveport—S. S. Dockery, 2056 Texas St., let contract to J. A. Woodson for brick garage at 2609 Velva St.

Md., Baltimore—South East Motor Corp., 1001 Cathedral St., incorporated; J. Talbot Todd.

Md., Baltimore—O'Brien-Gemmill, Inc., 1238 Light St., incorporated; Philip J. O'Brien.

Md., Baltimore—Hutzler Brothers Co., 212 N. Howard St., reported, construct 6-story automobile service, repair and garage building on Saratoga St., nr. Howard.

Miss., Greenville—Harry McKee has contract for 1-story, 50x175-ft. auto sales and repair building on Main St. for Greenville Motor Co.; brick and steel; H. W. Lathrop, Archt.

Mo., Kansas City—General Tire and Rubber Co., Akron, Ohio, and 2406 McGee St., Kansas City, will erect building on Baltimore Ave. at Fifteenth St.; Bedford stone; 122x128 ft.; first floor will be occupied by Corrigan Tire Co., 2750 McGee Traffic Way; Greenebaum, Hardy & Schumacher, Archts., Scarritt Bldg.

Mo., Springfield—General Tire Co., 300 E. Walnut St., capital \$30,000, incorporated; L. F. Meyer, R. J. Welders.

Mo., St. Louis—Lee Studley Motor Co., Inc., 3719 W. Pine Blvd., chartered; Lee Studley, 3310 Wyoming Ave.

Mo., St. Louis—Standard Auto Parts Co., 3200 Locust St., increased capital, \$20,000 to \$50,000.

N. C., Mocksville—Davie Motor Co., capital \$25,000, incorporated; C. H. Hendricks, B. A. Boyles.

S. C., Greenville—Poinsett Auto Service Co., incorporated; E. S. Toohey, M. J. Hanger, Triangle Apts.

Tenn., Chattanooga—Morgan & Carroll Automobile Co. will occupy building on Broad St. to be erected by Century Co., W. E. Brock, 1111 Chestnut St.; soon invite bids.

Tenn., Memphis—Dave Dermon Co., Dermon Bldg., advises publication of plans for erection of automobile storage garage premature; land deal for site has not been closed and will not be for some time. 9-6

Tex., Beaumont—Shane's, Inc., capital \$21,000, incorporated; O. V. and C. E. Shane; occupy 5 story building at Main and Crockett Sts., being erected by W. W. Kyle as garage and auto repair shop with storage space for 250 cars.

Tex., Brownsville—Valley Oldsmobile Co., W. Fifth and Elizabeth Sts., will erect 1-

story brick sales and show room, 100x110 ft. building; cement floor, cement roofing; cost \$35,000; install servicing equipment. 8-30

Tex., Houston—Wharton Weems, Esperson Bldg., let contract to Don Hall, 522 Cotton Exchange Bldg., for auto service laundry building; conc. tile and brick with steel roof spans, 115x125 ft., 1 story, conc. floors, comp. roof; cost \$30,000; Nelson Irvin, Archt. 9-6

Tex., Mexia—Abel Tyler Chevrolet Co., incorporated; R. D. Abel, D. O. Tyler.

Tex., San Antonio—Alamo Automobile Co., 1202 Navarro St., increased capital, \$25,000 to \$50,000.

Tex., Silverton—Holt & Lightsey let contract to Story & Ross, Amarillo, at \$10,000 for erecting filling station; conc. floors, steel trusses and arch roof, brick walls, glass front; McDonald Auto Supply Co., Inc., 110 W. Fifth St., and General Auto Supply, 111 W. Fifth St., both Amarillo, Equipment Contrs. See Want Section—Machinery and Supplies. 9-6

Tex., Texas City—H. Sewell acquired filling and repair station Third St.; will improve.

Tex., Yoakum—Prohese & Bethune of Curoe let contract to F. O. Cradford for drive-in filling station, Grand Ave. and Forest St.

Va., Petersburg—Stuart Keith & Co., Fayette and Greene Sts., Baltimore, Md., overall and work shirt manufacturers, will remove Baltimore plant to Petersburg; now has branch plant here; no new building or equipment contemplated.

Railways

Ark., Fort Smith—See Electric Light and Power.

Ark., Saratoga—Graysonia, Nashville and Ashdown Ry. let contract to Horton-Price Construction Co., Texarkana, for constructing 5 miles branch line.

Florida—Interstate Commerce Comm., Washington, authorized Florida East Coast Ry. Co., H. N. Rodenbaugh, V.-P., St. Augustine, to construct branch line of railroad in Palm Beach County. 8-30

Ky., Louisville—Chesapeake and Ohio R. R. Co., C. W. Johns, Ch. Engr., Richmond, Va., reported, extend Elkhorn and Beaver Valley R. R., from Wayland to Caney Creek community centre at Pippapass, Knott County, Ky., in connection with development plans of Elkhorn Utilities Co., following merger of 9 coal mines and 4 reserve coal tracts in Floyd, Pike and Knott Counties.

Miss., Kosciusko—Imperial Railroad Co. applied to Interstate Commerce Comm. for permission to construct line from Gulf and Ship Island R. R. at point near Mendenhall to Zama, in Attala County; also construct road from Kosciusko to the coast, from Zama to Canton and from Carthage to Birmingham, distance of 294 miles; will open timbered sections of Mississippi; M. F. Mann, Decatur, Miss., interested. 7-19

Texas—Waco, Beaumont, Trinity and Sabine Ry. Co., R. C. Duff, Pres., Houston, will begin construction of first section of proposed extension to line as soon as Interstate Commerce Comm. approves refinancing plans; contract let to Foundation Co., 120 Liberty St., New York, for constructing 2 extensions, 95 miles from Livingston to Port Arthur via Beaumont, and other from Weldon to Waco, 109 miles; company has applied to Interstate Commerce Comm. for authority to issue and sell \$3,000,000 first mortgage bonds and \$910,000 par value common stock; bond issue to be disposed of through George M. Foreman & Co., Chicago, at 89 and accrued interest. 9-6

Tex., Monahans—Texas & Pacific Railway Co., E. F. Mitchell, Ch. Engr., 1003 Texas and Pacific Bldg., Dallas, advises Texas-New Mexico Railway plans extending line in northwesterly direction from connection with Texas and Pacific Ry. at Monahans, 35 miles to New Mexico state line, passing near town of Wink and Kermitt; designed to serve Hendrick oil fields; grading will be light, averaging 10,000 to 12,000 cu. yds. per mile; track will be laid with relay 85 lb. rail, by company's forces.

Railway Shops and Terminals

Tenn., Nashville—Terminal Warehousing Corp., E. E. Noel, Pres., temporary offices 304 Cotton States Bldg., co-operating with Nashville Terminals Co., erect \$1,000,000 warehouse and other buildings; provide 2700 ft. railway track in connection with \$8,000,000 industrial development, 11th Ave. from Broadway to Johnson Ave., distance of 9 blocks. See Buildings Proposed—Warehouses.

Roads, Streets and Paving

Proposed Construction

Ala., Birmingham—City Comm., Eunice Hewes, Clk., plans expending \$25,575 to pave Twenty-sixth St. and Niazuma Ave., Highland Ave. to Thirty-first St.; A. J. Hawkins, City Engr.

Ala., Birmingham—City Comm. plans completing paving Third Ave. road; A. J. Hawkins, City Engr.

Ala., Mobile—Mobile County Bd. of Revenue and Road Commrs., A. D. Davis, Chmn., receives bids Sept. 17 to improve 4 roads; Improvement No. 7—13.539 mi. road and bridges, Spring Hill to Grand Bay road; Imp. No. 9—5.56 mi. between County Improvement No. 8 and Dawes; Imp. No. 16—943 mi., Three Mile Creek to Croft Highway; Impr. No. 20—2.27 mi., Mobile city limits to Cross Roads; J. B. Converse, County Engr.

Ala., Mobile—State Highway Comm., Montgomery, plans grading Mobile-Pensacola road from end of bay bridge to Florida line; State plans paving highway later.

Ala., Mobile—Mobile County Bd. of Revenue proposes extending paving on Cedar Point road to connect with toll bridge across Grant's Pass. See Financial News.

Ark., Brinkley—Comms., Paving Improvement Dist. No. 1, Benj. Emmons, Chmn., receive bids Sept. 20 for 72,500 sq. yd. 5 and 6-in. plain or rein. conc., 2-in. Warrenite surface, on 5-in. conc. base, or 6 and 8-in. clay gravel base, or plain compressed 6-in. conc., etc., paving, grading, draining, on 45 blocks of streets; Lund Engineering Co., Engrs.

Ark., Conway—City, Dist. 11, considering extending pavement along Locust and Railroad Ave.; Scott and Prairie St.

Ark., Gravette—City plans surfacing about 15 blocks of streets with silica-clay mixtures; 250,000 yds.

Ark., Harrison—City plans paving 9 blocks on South Pine, and one block on W. Stephenson St.

Ark., Jonesboro—State Highway Comm., Little Rock, considering road between Jonesboro and Brinkley, via Fair Oaks; may let contracts first of year.

Fla., Brooksville—Hernando County plans surface treating 5 mi. Gulf road; City plans 8500 sq. yd. surface treatment on city streets.

Fla., Fort Myers—State Road Dept., Tallahassee, plans letting contract soon for 14 mi. grading and surfacing Tamiami Trail, between Lee County line and Naples.

Fla., Hialeah—City plans receiving bids soon for rock and oiling 20 mi. streets; \$90,000; City Engr. John Knox preparing specifications.

Fla., Tampa—City, W. Leslie Brown, Mgr., considering expending \$100,000 to surface "dead end" streets; R. H. Cason, City Engr.

Kentucky—State Highway Dept., Frankfort, received low bids for 16 roads and bridge: Barren County—5.343 mi. traffic-bound macad. Glasgow-Burkesville road, J. F. Pace & Co., Marrowbone, \$34,533; Bell County—7.470 mi. Middleboro-Pruden road, F. W. Graham, Pineville, \$44,982, traffic-bound sandstone; Carter County—.281 mi. rein. conc. Grayson-Olive Hill road, F. M. Gearhart, Olive Hill, \$9448; Crittenden County—9.186 mi. stone, Bradley Stevens Co., Beaver Dam, \$21,250; Grayson County—7.959 mi. traffic-bound macad. Leitchfield E-town road, Perkins, Darnell & Williams, \$32,285; Hardin County—7.659 mi. traffic-bound macad. E-town-Leitchfield road, Perkins, Darnell & Williams, Hodzenville, \$22,665; Harlan County—5.319 mi. conc., Harlan-Whitesburg, H. H. Miller Construction Co., Jackson, Ky., \$184,850; Harlan-Letcher Counties—15.334 mi. conc. Harlan-Whitesburg road, H. S. Tye & Son, Eminence, \$333,071.

In Jackson-Madison Counties—19.047 mi. traffic-bound macad. Richmond-McKee, Mason Construction Co., West Point, \$97,569; Letcher County—10.015 mi. conc. Whitesburg-Harlan, H. H. Miller Construction Co., \$145,613; Lewis County—18.676 mi. Vanceburg-Greencup road, Sammons & Queen, Louisa, Ky., \$168,869; Meade County—3.667 mi. Vine Grove-Hog Wallow road, Ellis, Kelly & Co., Owensboro, \$17,185; Monroe County—6.268 mi. Tompkinsville-Mechack-Burkesville road, H. L. Johnson, Lewisport, \$45,907; Muhlenberg County—11.458 mi. Central City-Russellville road, Corum Bros., Madisonville, \$111,647; Pendleton-Campbell Counties—Falmouth-Alexandria road, traffic-bound macad., E. K. Newell & Co., Maysville, \$36,928; Robertson County—10.192 mi. Mt. Olivet-Blue Lick road, H. S. Tye & Son, \$78,284; Bridges: Breathitt County—Jackson-Hazard road: Conc. sub-

structure, E. R. Mills, Covington. \$28,181; steel superstructure, Vincennes Bridge Co., Vincennes, Ind., \$16,704. 8-9

Ky., Franklin—State Highway Comm. receives bids Sept. 28 for 2.1 mi. surfacing, Frankfort-New Castle road, Belle Point to forks of Jacksonville and Bald Knob roads; J. S. Watkins, State Highway Engr.

Md., Baltimore—City plans repaving with asphalt, Mount Royal Ave., North Ave. to Lanvale St.; plans letting contract before end of year to pave Boston St., Hudson to Clinton; Nathan L. Smith, Highways Engr.

Md., Baltimore—Bd. of Estimates authorized paving with sheet asphalt Edmondson Ave., Gilmer to Calhoun; Payson, Fayette to Edmondson; Pulaski, Mulberry to Franklin; estimated cost \$49,700; Nathan L. Smith, Highways Engr.

Md., Baltimore—City, Bd. of Awards, receives bids Sept. 19 to grade, curb and pave with 12,900 sq. yd. sheet asphalt, conc. base, streets in Cont. 484; grade and pave with 12,750 sq. yd. cement conc.; alleys in Cont. 130; Nathan L. Smith, Highways Engr.

Md., Princess Anne—Town plans paving Beckford Ave.

Miss., Collins—Covington County Bd. of Suprs. plans expending \$60,000, for 2 main highways in Beat 5, from Jones County line to Collins; State Highway 22 to Mt. Olive. See Financial News. 8-16

Miss., Ethel—Mayor and Bd. of Aldermen, S. M. Graham, City Clk., receive bids Sept. 24 for 52,745 sq. yd. conc. walk, 3525 cu. yd. earthwork on 10 streets, including McBride, Front; J. C. Jones, Mayor.

Miss., Holly Springs—Marshall County, Byhalia and Barton Dist., plans graveling 2 roads: From Watson south of Byhalia to Marshall County line; road 3 mi. south and 3 mi. north of Victoria, \$100,000. See Financial News. 8-30

Miss., Indianola—Bd. of Mayor and Aldermen, R. I. Weissinger, Clk., receives bids Oct. 1 for 6700 sq. yd. bit. surfacing on various streets; W. B. Montgomery & Associates, Const. Engrs., Henry Memorial Bldg., Jackson.

Miss., Indianola—Sunflower County Bd. of Suprs., John W. Johnson, Clk., receives bids Oct. 1 for 10,000 sq. yd. bit. surfacing, Garvens Ferry road; W. B. Montgomery & Associates, Const. Engrs., Henry Memorial Bldg., Jackson.

Miss., Jackson—City, A. J. Johnson, Clk., plans sidewalks, curbs, gutters, water and sewer connections on 9 streets, including S. Calhoun, Willow, Langley St.; Walter A. Scott, Mayor.

Missouri—State Highway Comm., Jefferson City, receives bids Sept. 14 for 28 roads, 11 bridges: Linn County—1.563 mi. 18-ft. spur gravel, Route 36 to Bucklin; Livingston County—551 mi. 18-ft. spur gravel, Route 36 to Wheeling; Macon County—699 mi. 18-ft. spur gravel, Route 36 to New Cambria; Audrain County—4.394, 4.394 and 2.412 mi. 30-ft. graded earth, Mexico west, 115,506 cu. yds. excavation, bridge over Davis Fork, Salt River; 4.678 and 3.930 mi. 18-ft. gravel, Mexico north, 5369 cu. yd. paving; 4.119 and 3.508 mi. 18-ft. gravel, Mexico north, 4735 cu. yd. paving; Clark County—3.517 mi. 18-ft. gravel, Kahoka to Wayland, 4405 cu. yd. paving; Scotland County—4.777 and 4.971 mi. 30-ft. graded earth, Memphis east and north, 137,306 cu. yd. excavation, bridges over Wyconda River and Forman Branch, deck girders and slabs; Carroll County—bridge over Wakeland Creek, south of Carrollton; Cole County—4.356 mi. 20-ft. conc., Jefferson City west, 10,843 cu. yd. excavation, 51,477 sq. yd. paving.

In Clay County—500 mi. rock asphalt, A. S. B. Bridge north, 10,550 sq. yd. rock asphalt; Cooper County—2.880 and 3.203 mi. 30-ft. graded earth, Boonville west, 122,797 cu. yd. excavation; bridges over M. K. & T. and Mo. Pac. railroads; Morgan County—4.198, 3.473, 4.348, 3.585 and 2.406 mi. 18-ft. gravel, Benton County to Versailles, and Versailles to Barnett, 18,534 cu. yd. paving; Perry County—4.643 mi. 18-ft. gravel, Brewer to Perryville, 50,812 cu. yd. excavation; St. Louis County—808 mi. 20-ft. conc. Bellefontaine road, west to Alton road, 29,415 cu. yd. excavation; bridges over Cold Water Creek, and over C. B. & Q. R. R.; Christian County—2.995 mi. 30-ft. graded earth, Green County line south, 24,411 cu. yd. excavation; bridge over Dry Fork Creek; Carter County—2.879 mi. 30-ft. graded earth, Shannon County line east, 65,207 cu. yd. excavation; Oregon County—1.439 mi. 30-ft. graded earth, Thayer, north, 32,382 cu. yd. excavation, bridge over Warm Fork Creek; Bates County—2.196 mi. windrowing gravel or chats; T. H. Cutler, Ch. Engr.

Mo., Clinton—City, C. A. Calverd, Clk., receives bids Sept. 18 for 1 block 8-ft. conc. pavement; T. B. Parks, Engr. 9-6

Mo., Independence—Jackson County Com. Mrs. R. L. Hood, Clk., receive bids Sept. 18 for \$120,000 paving, grading and drainage, and \$40,000, paving, various locations.

Mo., Kansas City—City, Matthew S. Murray, Dir. of Public Works, considering widening and paving West Linwood Blvd., Main St. to Broadway; repaving Independence Ave., Admiral to Benton Blvd.

Mo. St. Louis—City Bd. of Public Service, E. R. Kinsey, Pres., receives bids Sept. 25, to improve Fairview Ave., granite curb, conc. gutters, Gustine Ave. to Russell Place.

N. C., Ahoskie—City, R. C. Whitehurst, Mgr., receives bids Sept. 17 for street improvements: 7240 sq. yd. 6-in. conc. pavement or conc. base, bitulithic top, 4180 lin. ft. conc. curb and gutter, 1180 lin. ft. storm sewers, 2100 cu. yd. excavation, 600 sq. yd. conc. sidewalks; R. E. White, Engr., Aulander, N. C.

N. C., Charlotte—City, Marion Redd, Mayor, plans paving Gold St., Mint to South Tryon; Southwood Ave., Gold to West Park Ave.

N. C., Charlotte—City, Marion Redd, Mayor, plans widening East Fifth St., North Tryon to College St.

N. C., Charlotte—City, Marion Redd, Mayor, plans opening and paving Baldwin Ave., from near Luther to East Morehead St.

N. C., Chadbourn—City plans expending \$25,000 to hard surface Main St., Route 20 to Second Ave.; Second Ave., Main to Route 20. See Financial News.

N. C., Fort Bragg—Constr. Quartermaster, Lawrence L. Simpson, Capt. Q. M. Corps, receives bids Oct. 8 for 4650 sq. yd. conc. street paving, 1650 sq. yd. gravel road, 4500 lin. ft. combination curb and gutter, 1500 sq. yd. conc. sidewalks, 1400 lin. ft. 8 and 6-in. T. C. drain tile, with excavation, grading, drainage, etc.

N. C., Winston-Salem—Forsyth Highway Comm. plans expending \$150,000 for 6 roads and 3 bridges: hard surface 1.3 mi., and treat 2 mi. Old Lexington road; oil and gravel treat 3 mi. Oak Ridge road; oil and gravel treat 7 mi. Germantown road; repair Donnoha Bridge; oil and gravel treat 4.2 mi. Lewisville road; 1 mi. Germantown-Behana road through Rural Hall; Louisville Road Bridge over Muddy Creek; underpass for Glenn Ave. extension.

Okla., Ardmore—Carter County plans expending \$500,000 as county's portion of \$1,500,000 for building 66 mi. rigid surfaced road; 45 mi. conc.; 12 mi. asphalt on conc. base, remainder improved gravel. See Financial News.

Okla., Oklahoma City—City, E. M. Fry, Mgr., plans paving Noble Ave. and Twenty-first St.; hard surface Twentieth St.; widen Thirtieth St. 10 ft., with rock asphalt, Paseo to Shartel Ave.

Okla., Stillwater—American Paving Co. low bidder, \$88,556, for 10,088 mi. conc. paving, Cushing, west.

Oklahoma—State Highway Comm., Oklahoma City, plans receiving bids in Oct. or Nov. for 6 mi. paving, Highway 177, from Noble-Kay County line, towards pavement north of Perry; 2½ mi. Highway 77, between Marland and Perry pavement, Noble County; engineers will prepare plans to

Okla., Oklahoma City—Oklahoma County, J. W. Berry, Clk., receives bids Sept. 18 for roads in Section 2, Farm Mile 11, raise 4 mi. Red Rock grade, north of Perry, above flood level.

South Carolina—State Highway Comm., Columbia, receives bids Sept. 25 for 7 roads, 3 bridges: Aiken County—0.398 mi. paving, Route 25, North Augusta to Edgefield County line; Anderson County—9.24 mi. Route 81, Starr to Iva; Greenville County—10.69 mi. hard surface, Route 20, end of paving at Greenville to Anderson County line; Marion County—8.47 mi. Route 38, end of paving at Marion to Dillon County line, near Latta; Colleton County—7.422 mi. sand-clay surface, Route 64, Lodge-Ehrhardt road; Saluda County—4.439 mi. top-soil surface, Route 43, Saluda-McCormick road. Bridges: Treated timber bridge over South Edisto River, Route 24; Lexington County—overhead bridge over Southern Ry. tracks, Batesburg, Route 1; Newberry and Saluda Counties—steel bridge over Saluda River, Route 391.

S. C., Liberty—Town, W. B. Glenn, City Clk., receives bids Sept. 20 for 2400 lin. ft. conc. curb and gutter, 5000 sq. yd. conc. pavement; 2600 sq. yd. conc. sidewalk, storm drainage; Howard Beebe Co., Engr., Montgomery Bldg., Spartanburg.

Tennessee—Dept. of Highways and Public Works, Nashville, plans receiving bids in Oct. for 12 roads, bridge and approaches: Carter County—Route 37, on Carter Johnson Highway to Fish Springs; Monroe County—Route 64, approaches to Little Tennessee

River Bridge; Cocke County—Route 9, Jeffer County line to Newport; Meigs County—Route 58, Hiwassee Bridge approach; Putnam County—Route 74, Cookeville to Monterey; Fentress County—Obed River to Jamestown; Hamilton County—Route 29, Dayton Pike; Route 27, Valdeau to Glendale; Perry County—Route 23, Tennessee River Bridge approaches; Davidson County, Route 12, Nashville to Cheatham line; Route 11, Dickerson Pike; Montgomery County—Route 12, Ringgold Bridge; Williamson County—Route 6, Franklin to Maury line; Weakley County—Route 42, Greenfield to Dresden; Gibson County—Route 42, Trenton to Bradford; Henry County—Route 76, Paris to Big Spring.

Tenn., Knoxville—City, Otto Roehl, Mgr., plans extending Henley St., Union to Western Ave., and widen to 100 ft. Western to Hill Ave.; will sell bonds.

Texas—State Highway Comm., Austin, receives bids Sept. 18 for 6 roads, trestle and 15 culverts: Harris County—3.744 mi. grading, draining, conc., Highway 4-21-36, from San Jacinto Battle Grounds to Houston-La Porte road, 39,813 cu. yd. excavation, 43,954 sq. yd. conc. pavement, 23,073 sq. yd. reconstructed base course, 8272 lb. rein. steel for structures; 10,763 mi. grading, draining, gravel base, waterbound macad. and double bit. surface treatment, Highway 73, Addicks to Katy, 69,809 cu. yd. excavation, 22,041 lb. rein. steel, 17,618 cu. yd. waterbound mac. surface course; 4,225 mi. grading, draining, gravel and macad. base, L. S. rock asphalt surface, Highway 73, Eureka Junction to Campbell road, 25,944 cu. yd. excavation, 5913 lb. rein. steel, 6916 cu. yd. waterbound macad. surface course, 44,617 sq. yd. reconstruct base course; Ellis County—4.077 mi. grading, draining, Highway 6, point north of Milford to Hill County line, 67,815 cu. yd. excavation and borrow, 35,059 lb. rein. steel; bridges over 20-ft. spans, 131,527 lb. rein. steel; Comanche County—9.685 mi. grading, draining, Highway 10, Comanche to Brown County line, 34,649 cu. yd. excavation and borrow, 79,514 lb. rein. steel; Throckmorton County—15.850 mi. grading, draining, Highway 23, Throckmorton to Shackelford County line, 163,796 cu. yd. excavation and borrow, 103,285 lb. rein. steel; Bee County—construct 15 rein. conc. culverts, Highway 16, Karnes County line to San Patricio County line, 43,809 lb. rein. steel; Robertson County—172-ft. timber trestle, creosoted pile bents, Highway 6; Gibb Gilchrist, State Highway Engr.

Texas—State Highway Comm., Austin, plans 4 roads: Starr County—grading and bridges, State Highway 12-B, Brownsville-Laredo road, Roma to Zapata County line, \$55,000; Bee County—durable type pavement, Highway 12, Skidmore to San Patricio County line; San Patricio County—pave Highway 12, Bee County line to Jim Wells County line; State Highway Engr. to prepare specifications; Jim Wells County—pave highway from end of pavement on Highway 12 to San Patricio County line; Gibb Gilchrist, Highway Engr.

Texas—State Highway Comm., Austin, receives bids Sept. 18 for 4 roads, 3 culverts and approaches: Wilbarger County—13.313 mi. grading, draining, Highway 28, Vernon to Foard County line, 148,824 cu. yd. excavation and borrow, 43,322 lb. rein. steel, John B. Nabors, County Engr.; DeWitt County—191 mi. grading, surfacing, railroad underpass, Highway 81, west of Cuero, 11,151 cu. yd. excavation, 1,997 sq. yd. conc. pavement, 1420 lin. ft. conc. curb, 4724 lb. rein. steel; Nueces County—1.054 mi. grading, draining, conc. paving, Highway 12-A, city limits of Corpus Christi, to point 1 mi. west; 6057.3 cu. yd. excavation and borrow, 12,362 sq. yd. conc. pavement, 26,205 lb. rein. steel, Calvin E. Cock, County Engr.; Henderson County—16,979 mi. grading, draining, Highway 31, Smith County line to point east of Murchison, 466,714 cu. yd. excavation and borrow, 838,703 lb. rein. steel, 31,663 lb. struct. steel, S. J. Treadway, County Engr.; Starr County—rehabilitate 3 multiple box culverts and earth approaches, Highway 12-B, between Rio Grande City and Roma, 15,780 cu. yd. excavation and borrow, 128,127 lb. rein. steel, Thomas W. Bailey, Div. Engr., Corpus Christi; Gibb Gilchrist, State Highway Engr.

Tex., Alamo Heights, San Antonio—City, Robert O'Grady, Mayor, considering widening to 100 ft. and paving Broadway, cost \$50,000.

Tex., Austin—City, Adam Johnson, Mgr., may pave West Fourteenth St., Congress to West Ave.

Tex., Ballinger—Runnels County plans 2 roads totaling 55 mi. in Dist. 3, on Highways 24 and 30. See Financial News. 8-16

Tex., Bastrop—Bastrop County plans replacing 2 conc. dips on Highway 71, estimated cost \$45,700.

Tex., Beaumont—City plans paving improvements and opening Orleans St.

Tex., Big Spring—City plans road, Bankhead Highway to Scenic Drive, on mountain overlooking city; C. T. Watson, Mgr. of Chamber of Commerce.

Tex., Brownfield—City plans \$60,000 street paving. See Financial News.

Tex., Centerville—Leon County plans receiving bids soon to grade and bridge Highway 43, across County; Nagle-Witt-Rollins Engineering Co., County Engrs.

Tex., Coleman—Coleman County, C. L. South, Judge, plans 5 blocks 18-ft. conc. pavement on highway through Santa Anna.

Tex., Dallas—City Plan Comm. considering widening old Greenville road, 50 to 85-ft., Junius St. to Mocking Bird Lane; F. L. Park, City Plan Engr.

Tex., Dallas—City Comm., E. R. Burt, Mayor, considering widening Cadiz St., Lamar to connection with river bottom roadway to Oak Cliff, cost \$157,030; plans paving Chester St., Tyler to Polk.

Tex., Dallas—Dallas County and State Highway Comm., Austin, plan letting contract soon for Dallas-Northwest Highway, from Maple Ave., Dallas, to Tarrant County line, 4 mi. southeast of Grapevine.

Tex., Edna—Jackson County Commrs. plan expending \$80,000 toward Hug-the-Coast road. Dist. No. 3. See Financial News. 7-19

Tex., El Paso—City, R. E. Thomason, Mayor, considering plans to pave in Rim Road addition; approximate cost \$107,400; H. G. Stacy, City Engr.

Tex., Fort Worth—City, O. E. Carr, Mgr., plans widening Hemphill St., Rio Grande to Magnolia, Magnolia to city limits.

Tex., Fort Worth—City, O. E. Carr, Mgr., considering widening Henderson St., to 54 ft., Pennsylvania Ave. to Trinity River, estimated cost \$250,000; L. W. Hoelscher, City Plan Engr.

Tex., Harlingen—City receives bids soon for 24 blocks paving, cost about \$25,000; plans widening North First St. to 40 ft.; A. Tamm, City Engr.

Tex., Hallettsville—Lavaca County Commrs. Court plans expending \$350,000 in Road Dist. No. 1, Yoakum and Sweet Home section, to improve lateral roads and extend Highway 62 from South Mustang Creek, between old and new Sweet Home. See Financial News. 9-6

Tex., Highland Park, Dallas—City Council plans street paving; Roderick B. Thomas, Engr.

Tex., Houston—Howard S. Brainin, Pres., Brainin & Winston, Inc., Managers and Developers of Southwood, will pave Sauer St. through addition; grading finished.

Tex., Houston—City, W. A. Moore, Sec., considering expending \$28,000 to widen and repave Walker Ave., Austin St. to Dowling Ave.; J. C. McVea, City Engr.

Tex., Houston—State Highway Comm., Austin, receives bids Sept. 18 for 9.581 mi. earth shoulders, Highway 6, Cypress to Hockley, Harris County, and gravel shoulders on both sides from another road paralleling project; A. J. Wise, County Engr.

Tex., Houston—City, W. A. Moore, Sec., considering petition from Hugh Potter, Pres., River Oaks Corp., to pave West Gray St., from Shepherd Drive to point west of Waugh Drive.

Tex., Houston—City, W. A. Moore, Sec., received low bid from Smith Bros., \$10,702, to pave Franklin St., with 6-in. conc. base, 2-in. asphaltic topping. Chartres to St. Emanuel St.; J. C. McVea, City Engr.

Tex., Houston—City, W. A. Moore, Sec., considering paving Albany St., 35-ft. wide, McGowen to Anita; installing storm sewers; J. C. McVea, City Engr.

Tex., Houston—City, W. A. Moore, Sec., plans paving 35 ft. wide Helena St., McGowen to Hathaway; J. C. McVea, City Engr.

Tex., Laredo—State Highway Comm., Austin, receives bids Sept. 17 for 8.344 mi. grading, draining, paving, State Highway 12-A, from point near Aguilares to Oilton, and overpass in Tex-Mex. R. R. Webb County; 70,798 cu. yd. excavation and borrow; 16,788 lb. rein. steel for structures; 179,402 lb. rein. steel for pavement, 87,980 sq. yd. conc. pavement; bridges over 20-ft. spans, overpass; 185,136 lb. struct. steel; 73,384 lb. rein. steel; T. E. Huffman, County Engr.

Tex., Lockhart—Caldwell County plans 19 drainage structures on Highway 29, Middlebush road, replace existing dips; \$34,265.

Tex., Marshall—City, H. J. Graeser, Mgr., receives bids Sept. 20 for 15,300 sq. yd. rein. conc. brick or asphalt on conc. base, paving; W. C. Albright, Engr. 8-30

Tex., Mount Vernon—State Highway Comm., Austin, appropriated \$25,000 for grading and draining Highway 37, Winnsboro, Wood County, to Mount Vernon, Franklin County; Gibb Gilchrist, Highway Engr.

Tex., Odessa—City, Sam McKinney, Mayor, receives bids for 11 types of paving on 21 blocks of business streets; Devlin Engineering Co., Const. Engr., will supervise work. 8-30

Tex., Oilton—Lamb County, E. N. Burros, Judge, plans 18-ft. conc. pavement, through Littlefield, Highway 7.

Tex., Orange—Orange County considering widening to 100 ft. Old Spanish Trail, between Orange and Beaumont.

Tex., Raymondville—Willacy County, A. B. Crane, Judge, plans \$400,000 for hard surfaced roads in Road Dist. No. 1. See Financial News.

Tex., Richmond—State Highway Comm., Austin, plans repairing Rosenberg-Wallis road, between Rosenberg and East Bernard, For Bend County.

Tex., Richmond—State Highway Comm., Austin, receives bids Sept. 18 for 14.443 mi. conc. paving, State Highway 12, Fort Bend County, Wharton County line to Rosenberg, 152,551 sq. yd. conc. pavement, 322,714 lb. rein. steel; Bart Hedrick, Res. Engr.

Tex., Rockdale—City plans \$90,000 street paving. See Financial News.

Tex., Waxahachie—City plans surfacing East Main St. with hot asphalt; street through Freedman will have macadamized wearing surface, waterproof and resilient.

Tex., Weatherford—Parker and Johnson Counties plan 7.17 mi. gravel on stone base, Highway 10, through counties, \$43,020; plan asphalt surfacing in Spring of 1929.

Va., Hopewell—City, Roy S. Braden, Mgr., plans \$150,000 street improvement. See Financial News. 8-23

Va., Richmond—City, R. Keith Compton, Dir. of Public Works, plans widening Fourteenth St., Cary to Franklin.

Va., South Boston—Town Council may let contract for highway from South Boston to Motley's Corner, via Wilborn Ave.

Va., Virginia Beach—Town considering street improvement, including paving road between Thirty-first St. and Cavalier Hotel; will sell bonds.

Va., Winchester—City plans widening Shenandoah Valley pike within city limits.

W. Va., Clendenin—City plans \$30,000 street paving. See Financial News.

W. Va., Welch—McDowell County, Charles H. Payne, County Road Supr., plans widening road from Bartley to Bradshaw.

W. Va., Wellsburg—Brooke County plans expending \$750,000 to build roads in Cross Creek and Buffalo Dist. See Financial News. 9-6

Contracts Awarded

Ala., Birmingham—City Comm., Eunice Hewes, Clk., let contracts, \$159,614, to improve 15 streets, including grading, sidewalks, curb, gutter and paving; Morgan-Hill Paving Co., Woodward Bldg.; Dunn Construction Co., Inc., Lincoln Life Bldg.; Wesco Co.; W. H. Pattie, 1556 N. 23d St.; Newell Construction Co., Martin Bldg.; Hutchinson & Burton; Fromhold Concrete Co.; Southern Roads Co., Pioneer Bldg.; H. N. Bowdry, Alabama Power Bldg. 8-30

Ark., Searcy—City let contract to Hogan Construction Co., Exchange Bldg., Memphis, Tenn., and Home Ins. Bldg., Little Rock, has contract for 12 blocks street paving.

Florida—State Road Dept., Tallahassee, let contracts for 2 roads on Suwanee River Scenic Highway: Project 764—Duval Engineering and Contracting Co., Jacksonville; Project 719—Broadbent Construction Co., Ocala. 9-16

Fla., Daytona Beach—City, Earl Wheeler, Mgr., let contract to City Engineering Dept., \$15,245, for paving, underground utilities and white way on Volusia Ave. 8-30

Fla., Miami Beach—W. T. Price, Inc., has contract, \$44,346, for paving and sewers.

Fla., Sebring—McDonald Construction Co., Auburndale Rd., Lakeland, has contract for flush coat treatment on old asphalt on various streets.

La., Shreveport—Shreveport Paving Co., Giddens-Lane Bldg., has contract, \$9706, to pave Western Ave., Garden to Christian St.

Md., Baltimore—City, Bd. of Awards, let contract to P. Flanagan & Sons, Twenty-fifth St. and Harford Ave., \$39,688, to pave Boston St., Chester to Hudson, 42 ft. wide; to Arundel Construction Co., Knickerbocker Bldg., \$24,451, to pave 9 streets with 7-in. conc. (1:2:4 mix conc.). 6-7, 7-26

Miss., Columbus—Waters & McCrary, Columbus, have contract, \$12,000, to raise 3 mi. Columbus-Artesia road above high water mark. 8-30

Miss., Laurel—Jones County Bd. of Supvrs. let contract to J. H. and H. E. Pigford, Meridian, \$65,267, for 7½ mi. grading, bridges and culverts, Jackson Highway between Laurel and Ellisville. 8-2

Miss., Water Valley—State Highway Dept., Jackson, let contract to Sam B. Boyd, Columbia, for 1.54 mi. State Trunk road, Water Valley to Oxford. 8-2

Mo., St. Joseph—Bd. of Public Works let contract to Bridgeford Construction Co. to pave north-south alley, between Ninth and Tenth St., Riboux to Church St.; to P. P. Young Construction Co., R. F. D. No. 6, to pave with conc. north-south alley, Sixteenth to Seventeenth St., Patee to Locust St.

Miss., Vicksburg—Warren County Bd. of Supvrs. let contract to Clark & McCaa, Port Gibson, \$6,538, for dirt work on Warrenton road.

Mo., Webster Groves—City, R. E. Wilson, Clk., let contract to Bangert Bros. Construction Co., 44A South Florissant Road, to improve Summit Ave.

N. C., Asheville—Buncombe County Commrs. let contract to R. C. Stevens, 20 College St., Asheville, \$58,000, for 13,000 sq. yd. grading, 25,000 sq. yd. paving on 5 streets.

N. C., Greensboro—Guilford County Commrs. let contract to R. G. Lassiter & Co., Citizens Bk. Bldg., Raleigh, \$1.90 per sq. yd., for 2 mi. 18-ft. conc. Pinecroft road, being continuation of Brandt St., connecting with South Cedar St. extension; city will pave Brandt St. to corporation line.

Oklahoma—State Highway Comm., Oklahoma City, let contracts for 8 roads and bridges: Kingfisher County—2.7 mi. conc., Dover to Kingfisher, Theodore Gudgel, Stillwater, \$88,356; Stephens County—10 mi. conc., Highway 81 to Lawton, Altman & Rodgers, McAlester, \$240,534; Grant County—4 mi. conc., Medford, north, Ward-Beekman & Brooks, Inc., 1801 E. Ninth St., Oklahoma City, \$89,402; Canadian County—1.75 mi. rock asphalt, Highway 66, near El Reno, Moran & Co., 110½ S. Seminole St., Okmulgee, \$66,705; bridges on U. S. Highway 66, west of El Reno, A. O. Lund, Blackwell, \$13,360; Pontotoc County—3.7 mi. grading, draining, Centrahoma to Stonewall, John T. Alberd, \$11,270; Jackson County—3.7 mi. grading, draining, from Leininger Bridge through Headrick toward Altus, Dan Sweeney, 614 W. 11th St., Oklahoma City, \$20,105; Logan County—5 mi. paving, Highway 33, Lincoln County, bridges on Highway 266, Meeker to county line, E. E. Mastin, Chandler, \$23,415; Okfuskee County—13 mi. grading, Okemah north to Creek County line, R. T. Anns, 3932 Euclid Ave., Kansas City, Mo., \$60,531. 7-26

Oklahoma—State Highway Comm., Oklahoma City, let contracts for 11 roads and bridges: Payne County—1.432 mi. conc., Stillwater, south, Ray Tanner Paving Co., 104 W. Boulder St., Tulsa, \$32,207; Caddo County—3.429 mi. grading, draining and 2 bridges, D. T. Allen, Wetumpka, \$14,024, Sec. E.; Boardman Co., Maple and Hawk Sts., Oklahoma City, \$31,763, Sec. F.; 3.811 mi. State Highway 9, Sec. A., D. T. Allen, \$30,824; Sec. B., Nims & Frost, Hydro, \$44,779; Okfuskee County—4.191 mi. grading, draining, bridges, Highway 27, Sec. A., Gravelle & Hamlin, Barnes Bldg., Muskogee, \$25,718; Sec. B., Grant Williams, \$20,558; Stephens County—10 mi. conc., State Highway 29, Altman Rogers Co., McAlester, \$240,534; Nowata County—5 mi. asphalt, Highway 16, Ellis & Lewis, Surety Bldg., Muskogee, \$152,057; Comanche County—State Highway 8, south to Porter Hill; Sec. C., D. T. Allen, \$27,996; Sec. D., Boardman Co., \$30,800; Sec. E., D. T. Allen, \$14,035; Sec. E., Boardman Co., \$31,763. 7-26

Okla., Ada—Pharaoh Co., Henryetta, has contract for grading and culverts on Allen Highway, Pontotoc County.

Okla., Oklahoma City—Oklahoma County Commrs. let contract to E. F. McKay & Co., 536 W. 31st St., \$9070, to grade and pave 5 mi. East Reno Ave. road; to Manye & Alley, \$11,230, for 4 mi. North May Ave. road. 8-30

S. C., Barnwell—C. G. Fuller Company, Dover, Ohio, has contract to surface-treat highways in Barnwell County, including Highway 3, Barnwell toward Blackville.

Tenn., Bolivar—Morgan-Hill Paving Co., Woodward Bldg., Birmingham, Ala., has tentative contract to conc. Market St. through city and pave and gutter public square; \$40,000.

Tenn., Nashville—City, Hilary E. Howse, Mayor, let contract to Walter J. Bryson Paving Co., W. 14th St., Jacksonville, Fla.,

\$19,045, rebuilding First Ave., North, Public Square to Broadway; widen roadway to 40 ft. and pave with cut granite blocks; conc. curbs; to Municipal Paving & Contracting Co., Independent Bldg., Nashville, \$12,757, to pave with rock asphalt, lay curbs and gutters on Twenty-fourth Ave., and \$22,628, on Natchez Trace, both from Blakemor and Blair Ave. 8-23

Tex., Dallas—City, E. R. Burt, Mayor, let contract to Smith Bros., Inc., Santa Fe Bldg., \$21,322, to pave Good St.; \$23,073, to pave Blackburn St.; \$10,282, for Cliff St. 9-6

Tex., Houston—City, W. A. Moore, Sec., let contract to Scott Shambaugh, 1401 Dowling St., for 3-in. brick, 8-in. conc. base, Lockwood St., Navigation Blvd. to Clinton road; to Kali-Inla Paving Co., for two course bit. paving treatment, Parkview Ave., Houston Ave. to White Oak Bayou.

Tex., Port Lavaca—City let contract to McClung Construction Co., Fort Worth Natl. Bank Bldg., Fort Worth, to pave various streets.

West Virginia—State Road Comm., Charleston, let contract for 9 mi. 18-ft. base course with limestone screenings; 4.5 mi. to J. M. Randolph, Clarksburg, \$59,205; 4.5 mi. to Robert Martin Co., Salem, Va., \$58,389; B. E. Gray, Div. Engr., Keyser.

W. Va., Moundsville—Federal Asphalt Paving Co., Hamilton, Ohio, has contract, \$1.65 per sq. yd., to resurface streets. 9-6

Sewer Construction

Sewer construction in LAND DEVELOPMENT projects involves the expenditure of large sums of money. Under that classification details of these improvements are reported.

Ala., Haleyville—E. J. Kirkpatrick Const. Co., Florence, low bidder at \$39,955 for sanitary sewers. 8-6

Ala., Montgomery—Anderson Plumbing Co., 207 W. Jeff Davis Ave., has contract for sewers.

Ark., Stamps—City, A. T. Massey, Mayor, plans storm sewers and disposal plant for town.

Fla., Bonifay—Frank Moseley, Inc., Panama City, has contract at \$40,032 for water works extension and sanitary sewer.

Fla., Miami Beach—See Roads, Streets, Paving.

Ky., Ashland—City plans voting on \$400,000 sewer bonds.

La., Lafayette—City votes Oct. 9 on \$80,000 sewer extension bonds; \$81,000 sewage disposal bonds.

Miss., Jackson—See Roads, Streets, Paving.

Miss., Newton—F. D. Harvey & Co., 688 S. Bellevue St., Memphis Tenn., has contract at \$13,525 for sewer line and disposal plant; Peter A. O'Brien, Engr., Edwards Hotel Bldg., Jackson. 8-23

N. C., Ahsokle—See Roads, Streets, Paving.

Okla., Ponca City—City plans sewer bond election.

Okla., Pyote—See Water Works.

Okla., Tulsa—City will soon call for bids for extension Owen Park sewer, 108-in. in diam.; cost \$111,077.

Tenn., Dresden—City voted sewer bonds. See Financial News.

Tenn., Nashville—W. J. Broderick, 407 Monroe St., has contract for sewer extension connecting with sewer at 19th Ave. N. and Herman St., W.

Tex., Aransas Pass—City receives bids Sept. 18 for sanitary sewer. See Want Section—Bids Asked.

Tex., Houston—See Roads, Streets, Paving.

Tex., San Antonio—City, C. M. Chambers, Mayor, will probably open bids in about 6 months for \$1,250,000 sewage disposal plant, activated sludge; Hawley & Freese, Engrs., 411 Capps Bldg., Fort Worth. 8-30

Va., Clarendon—Arlington County considering bond election for sewers in Spout Run drainage area.

Va., Hopewell—City voted \$50,000 sewer bonds. 8-30

Shipbuilding Plants

Ala., Mobile—Todd Dry Dock and Shipbuilding Co., Inc., John F. Prigge, Gen. Mgr., acquired 10 acres of water front property adjacent to plant; plans additional building.

Telephone Systems

Alabama—Public Service Comm., Montgomery, granted South Central Telephone Co. permission to acquire telephone systems in Beatrice, Wadley, Eva, Falykville, Vinemont, Fairview, Cullman County, Camden, Blountsville, Canoe, Hodges, Jones Mill, Laverne, Orrville, Repton, Rockford, Rogersville, Vina and Wedowee.

Ark., Little Rock—Southwestern Bell Telephone Co., St. Louis, Mo., construct exchange at Elm and Woodlawn Aves.; 1½-story, 85x72 ft., smooth face brick, tile roof, cut stone trimmings; install \$300,000 dial telephone equipment.

D. C., Washington—Chesapeake and Potomac Telephone Co., Bd. of Directors, authorized expenditure of \$137,000 for extensions and improvements to telephone system in Washington; improvements include placing additional underground cable and conduit in Main, Franklin, Cleveland, Georgia and Central office areas; about 20,000 ft. of underground conduit and 70,000 ft. cable.

La., Monroe—Southern Bell Telephone & Telegraph Co., Atlanta, Ga., expending \$70,000 for extension of cables to serve Monroe and West Monroe.

Md., Frederick—Chesapeake & Potomac Telephone Co., 5 Light St., Baltimore, authorized \$20,600 expenditure for additional telephone repeaters or booster equipment.

N. C., Greensboro—Southern Bell Telephone and Telegraph Co., Atlanta, Ga., J. E. Warren, Gen. Commercial Mgr., reported, considering erection of telephone building within next year at Eugene and Sycamore Sts.

Oklahoma—State Corp. Comm., Oklahoma City, granted permission to Oklahoma Associated Telephone Co., to acquire telephone exchanges at Agra, Billings, Carney, Coyle, Glencoe, Marland, Morrison, Mulhall, Perkins, Ripley and Yale.

Tex., Austin—Southwestern Bell Telephone Co., main office St. Louis, Mo., contemplates constructing addition to telephone building.

Virginia—Inter-Mountain Telephone Co., Johnson City, Tenn., acquired properties of Wythe Mutual Telephone Co., at Wytheville, Max Meadows, Ivanhoe and Laswell with connecting companies at Bland, Rural Retreat and Ceres; plans \$25,000 improvements including central office equipment, operating room and commercial office.

Va., Roanoke—Chesapeake and Potomac Telephone Co. of Virginia, Richmond, N. O. Wood, Mgr., plans expending \$138,478 for additional facilities in Roanoke and outlying districts; install 9000 ft. of underground conduits, manholes, 10,000 ft. aerial cable, toll entrance cable on Roanoke-Lynchburg line; pole replacements on Roanoke-Staunton, Roanoke-Petersburg, Radford-Cumberland Gap and Abingdon-Bristol toll lines. 6-7

Textile Mills

Ala., Gadsden—Sidney M. Edelstein & Co., Engrs., 55 W. 42d St., New York and Union, S. C., have announced formation of corporation to manufacture braids, trimmings, ribbons, etc.; will be incorporated under Alabama laws, with capital of 10,000 shares common stock no par and 1350 shares par \$100 each, 7% preferred; Marx & Co., Birmingham, purchased \$150,000 bonds; engineers will submit plans for 50,000 sq. ft. floor space building; bids for building to be opened in 3 weeks; Benjamin Kahn, New York, Pres.; Otto Agricola, First National Bank, Gadsden, Chmn. Bd.; other officers to be named later; plant represent \$750,000 investment.

Ga., Columbus—Ewart Bros., Pine St., Columbus, has contract at \$50,000 for Archer Hosiery Mills; 2 stories and basement; main building, 128x72 ft.; boarding room, 45x63 ft.; boiler house, 18x36 ft.; dye house, 27x45 ft.; rein. conc. foundations; struct. steel trusses; Lockwood, Greene Engineers, Inc., Wilson Bldg., Charlotte, N. C. 9-6

Ga., Commerce—Commerce National Mfg. Co., A. D. Harris, Pres., receives bids Oct. 2 for improvements and alterations to mill building; Scroggs & Ewing, Archts., S. F. C. Bldg., Augusta; sprinkler system and electric system to be let separately; 2 story and basement; 145x112 ft., rein. conc. foundation, common brick, face brick and hollow tile; contractors estimating are the following: Sam N. Hodges & Co., 579 Peachtree St., N. E.; The Norwood Griffin Co., Converse-Myers Co., Inc., both Bona Allen Bldg.; Wm. P. Francis, 201 Luckie St., N. W.; Smith & Williams Co., Red Rock Bldg.; A. K. Adams & Co., 542 Plum St., N. E., all Atlanta, Ga.; Fiske-Carter Construction Co., 121½ W. Main St., Spartanburg, S. C.; H. B. Nelson Co., Augusta, Ga. 8-16

Ga., Royston—L. C. Jordan, low bidder at \$41,000 for constructing mill unit for Royston Spinning Mill Co.; 1-story and basement, 80x132 ft., conc. foundations, brick walls, c. i. columns, sprinkler system, conc., pine and maple floors; Park A. Dallas, Engr., 2364 Ponce de Leon Ave., N. E., Atlanta. 8-30

S. C., Hartsville—Hartsville Print & Dye Works let contract to A. K. Adams & Co., 542 Plum St., N. W., Atlanta, Ga., for printing plant; building will cover 1½ acres adjoining present dyeing and bleaching building; Robert & Co., Engrs., Atlanta, Ga. 8-9

Tenn., Athens—C. L. Williams, Chmn. Citizens Committee, interested in location of silk mill by Northern capitalists; citizens to subscribe \$85,000 in 7% first mortgage bonds.

Tenn., Bemberg, P. O. Elizabethton—American Bemberg Corp., Dr. Arthur Mothwurr, Pres., reported, begin constructing additional units soon as second unit, now under way, is completely manned; now making improvements in manufacturing process and installing equipment to increase capacity 40 to 50% over present facilities, giving output 10,000 lbs. daily for each unit; with 5 units comprising plant as ultimately planned, production annually will be about 18,000,000 lbs.

Tenn., Cleveland—P. B. Mayfield, Pres., Chamber of Commerce, negotiating with Klein Bros., New York and Paterson, N. J., for establishment of silk weaving mill; local interests to subscribe \$10,000 first mortgage 7% bonds.

Tenn., Dyersburg—Gauger-Korsmo Construction Co., Shrine Bldg., Memphis, has contract for textile plant of Adrian Knitting Mills, including dye room, warehouse, mill and boiler room; conc., brick and steel; cost \$400,000; Robert & Co., Engrs., Atlanta, Ga. 7-19

Va., Grottoes—J. Rosenholz, 171 Madison Ave., New York, acquired silk plant of Puritan Silk Co.

Va., Waynesboro—City voted to sell city's Lithia Springs and Park to Du Pont Rayon Co., Inc., 32d St. and 4th Ave., New York, for water supply for proposed cellulose acetate plant. 8-30

Water Works

Details of water works improvements in connection with the many LAND DEVELOPMENT operations will be found under that classification.

Ala., Gadsden—City let contract to Federal Construction Co. to lay 10-in. water main across Coosa River to serve East Gadsden. 8-16

Ala., Robertsdale—City voted \$24,000 water works bonds.

Ark., Clarksville—City, Tom Harvey, Mayor, plans artesian wells and water distribution plant.

Fla., Boca Raton—Donathan Bldg. Co., 1037 N. E. Ninety-first St., Miami, low bidder at \$48,978 for water treatment plant. 8-2

Fla., Bonifay—See Sewer Construction.

Fla., Clewiston—See Miscellaneous Enterprises.

La., Plain Dealing—W. H. O'Toole Construction Co., Monroe, La., has contract for water and sewer mains; C. J. Montgomery, contract for conc. reservoir and disposal plant; Fairbanks, Morse & Co., Chicago, and Columbian Iron Works, Chattanooga, Tenn., Mch. Contrs. 8-23

Md., Baltimore—Bd. of Awards receives bids Sept. 19 for excavating trenches, laying water mains, etc., in York Road from Evesham Ave. to Stevenson's Lane. See Want Section—Bids Asked.

Md., Towson—Comms. Baltimore County receive bids Oct. 1 for water mains in Milford, Liberty Heights Ave., and in Hamilton Ave., Rosedale. See Want Section—Bids Asked.

Miss., Jackson—See Roads, Streets, Paving.

N. C., Greensboro—City let contract for metal grill flooring in City water pumping station to Carolina Steel and Iron Co., S. Elm St., Greensboro; will receive bids Sept. 11 on new filtered water storage reservoir; P. C. Painter, City Mgr. 8-23

Okla., Chelsea—City may vote on \$150,000 water works bonds.

Okla., Oklahoma City—See Land Development.

Okla., Pyote—City voted water works and sewer bonds. See Financial News.

Okla., Stroud—City may vote on water works bonds.

Tenn., McMinnville—City voted water works bonds. See Financial News.

Tex., Benjamin—City votes Sept. 18 on \$50,000 water works bonds.

Tex., Galveston—Bd. of Commrs. receives bids Sept. 20 for water main across Galveston Channel to Pelican Spit. See Want Section—Bids Asked. 9-6

Tex., Graham—Womack Construction Co., Sherman, has contract at \$141,927 for earthen dam; Hawley & Freese, Const. Engrs., Cotton Exch. Bldg., Fort Worth. 9-6

Tex., Granger—City plans acquiring artesian well and water works owned by Farmers' Cottonseed Products Co.; vote on bond issue.

Tex., McCamey—Henry & Holland, Inc., Box 253, has contract at \$71,934 for water works extension, including conc. reservoir, pump house, etc.

Tex., Liberty—City voted \$50,000 water works bonds. 8-30

Tex., Rockport—City votes Sept. 29 on \$50,000 water bonds.

Va., Norfolk—City, W. H. Taylor, 3d, Director of Public Utilities, plans water works extension; 2300 ft. of 6-in., 80 ft. of 4-in. c. i. pipe; 1100 ft. of 3-in. precast pipe.

Va., Richmond—George H. Whitfield, Director of Public Utilities, plans increasing water supply by approximately 50,000,000 gals. daily.

Woodworking Plants

Fla., Perry—Graham-Page Motor Co., Detroit, Mich., is now constructing \$150,000 dimension mill; 50,000 ft. of floor space, 9 dry kilns, 150x20 ft.; hardwood will be used for truck and automobile bodies.

Ky., Louisville—Mengel Body Co., Wm. L. Hoge, Pres., Fourth and G Sts., subsidiary of Mengel Co., let contract to Struck Construction Co., 147 N. Clay St., Louisville, for additional unit to automotive body wood parts plant at Fourth and G Sts.; cost \$1,000,000; 300x440 ft.; loading docks, dry kilns, etc.; be duplicate of present unit; capacity will be about 70,000,000 bd. ft. yearly, or 300,000 bodies; portion of plant will be ready in about 10 weeks; company closed contract with Willys-Overland Co., Toledo, O., for large quantities of wood parts for shipment in car lots to Willys-Overland body building plant; mill building will be one story with part basement; structural steel frame, wood frame roof, brick exterior walls, comp. roof, conc. floor; also add 12 or 18 dry kilns with necessary dry storage facilities.

Mo., Kennett—Laswell Manufacturing Co., W. D. Laswell, Mgr., plans erecting \$10,000 plant for manufacturing wicker furniture; plant will convert logs into wood suitable for making wicker furniture; logs to be brought from a 500 acre tract; install saw mill, drying room, weaving, paint and upholstering departments.

Tenn., Knoxville—Briggs Mfg. Co., 11631 Mack St., Detroit, Mich. (Mfrs. Automobile Bodies), negotiating for old Wm. J. Oliver Mfg. Co.'s plant, Western Ave. and Dale Ave., plan branch plant, for manufacture finished wooden parts used in automobile bodies; has option on 9 acre tract adjoining for expansion.

Tex., Houston—Barta-Blumenthal Body Works, 1104 Lamar St., incorporated; L. B. Barta.

FIRE DAMAGE

Ark., Marmaduke—Marmaduke Hotel, owned by Jesse Bradsher, Paragould, and Walter Goforth, Marmaduke; J. R. Burks Furnishing Store, owned by Fred Stevens; loss \$13,000.

Ky., Louisville—Weston Cutter's residence, Taylorsville Road, Avondale Station; loss \$7000.

La., Algiers—Plant of American Solvents and Chemical Corp.; loss about \$500,000.

La., Alexandria—Mrs. N. K. Anthony's residence, Enterprise addition near Experiment Plantation; loss \$10,000.

Md., Baltimore—Cabinet making plant of Longo Bros., 1620 E. Pratt St.; 3 garages on Belair Rd. near Sinclair Lane, leased by Albert F. Goetze, Inc., owned by I. Kirkland, 1925 W. North Ave.

Miss., Holly Springs—Arlie McKie's residence, Craft St.

Miss., Houston—Residence owned by Dr. R. S. Blue, occupied by Sheriff D. S. Bishop; loss \$20,000.

N. C., Chapel Hill—Prof. W. S. Bernard's residence.

Okla., Oklahoma City—Southwest Scrap Paper Co.'s plant; loss \$50,000.

Tenn., Etowah—McKinney's Department Store; Reed Brothers' building; loss \$40,000.

Tenn., Gallatin—W. C. Cotton's residence, Red River Road; loss \$8000.

Tex., Beaumont—Jones-O'Neal Furniture Co.'s warehouse and 2 adjoining buildings, Crockett St. and Avenue B; loss \$16,000.

Tex., Brownsville—Sheds and office buildings of Edcouch Lumber Co. at Edcouch; loss \$50,000.

Tex., Del Rio—M. E. Wolff's residence; loss \$10,000.

Tex., Dilley—W. C. Shrum's residence.

Tex., Fort Worth—Scott Bros. Grain and Fuel Co.'s plant, 400 W. Biddison St.

Tex., Mineola—Abney Hotel; loss \$9000; address The Proprietor; J. H. Sharp's warehouse.

Tex., Plainview—Ivey Produce Co.'s plant.

Va., Bland—Wm. Newberry's residence.

Va., Hopewell—E. N. Cogle's residence; loss \$6000.

Va., Roanoke—Phillip Levy & Co.'s warehouse, Roanoke St. and Salem Ave., owned by Robert H. Angell; loss \$40,000.

W. Va., Bluefield—Stave house and shop of John L. Philippe on Lewis St.; loss \$20,000.

BUILDING NEWS

BUILDINGS PROPOSED

Association and Fraternal

N. C., Lexington—State Council, Junior O. U. A. M., erect dormitory to accommodate 100 children, Junior Order National Orphans Home. Address Fred O. Sink, Lexington.

Okla., Mangum—Oklahoma State Elks Assn., L. A. Browder, Pres., Duncan, considers erecting orphanage.

Bank and Office

Ala., Mobile—Merchants Securities Corp., Ernest F. Ladd, Pres., St. Francis St., plans office bldg., St. Joseph and St. Francis Sts.; 12 or more stories, about \$750,000; about ready to select architect.

Ala., Mobile—Title Insurance Co., C. C. Lowder, Pres., plans office building, 154 St. Francis St.

Ky., Louisville—Equitable Life and Casualty Co., Chicago, Ill., purchased 10-story Todd Bldg., Fourth and Market Sts.; remodel first 2 floors for headquarters.

Ky., Paris—Peoples Deposit Bank & Trust Co. purchased bldg., Main St. near Fourth St.; remodel.

N. C., Greensboro—Southern Bell Telephone and Telegraph Co., Atlanta, Ga., J. E. Warren, Gen. Commercial Mgr., Atlanta, plans office and equipment building.

Tenn., Memphis—Bank of Commerce and Trust Co., R. Brinkley Snowden, Chmn., receiving bids for fire- and burglarproof bank and office building, Second and Monroe Sts.; \$2,000,000, set-back type, 150x150 ft., 60 ft. high above street level, 3 stories and basement, 75,000 sq. ft. working space, polished granite; orna. bronze doors for both entrances; cast iron, steel and plate glass windows and frames; marble walls, columns and pilasters on first floors, bronze and plate glass doors, elevator enclosures and bank screens; 30 tellers' cages; book vaults, 25x90-ft. rein. conc. and steel bank vault, safe deposit vaults for 15,000 boxes; ventilating unit; 3 elevators; Harker & Cairns, Archts., 123 S. Court St. 8-9

Tex., Big Springs—Dr. G. T. Hall and associates soon have plans ready for bids on Gothic type office building; brick, stone and conc., 6 stories, 60 rooms, \$140,000; Peters, Haynes & Strange, Archts., Myrick Bldg., Lubbock.

Churches

Ark., Jonesboro—Catholic Church, Rev. W. J. Kordsmeier, Pastor, considers erecting brick veneer and stone building, 616 Church St.; 1 story, conc. and wood floors, tile roof.

Ark., Jonesboro—First Christian Church, Rev. J. F. Christy, Pastor, has plans completed for \$42,000 Sunday school, Main and Warner Sts.; brck. 2 stories and basement, 40x114 ft.; E. J. Wolpert, Archt.

Ga., Albany—Church of Christ, D. Owens, Chmn., Bldg. Comm., receives bids Sept. 20 (extended date) for remodeling and enlarging church and erecting 30x28-ft. Sunday school; English type, rein. conc., brick and Indiana limestone, terrazzo and hardwood floors; \$125,000; Dunwoody & Oliphant, Archts., 460 Broadway, Macon; estimators noted Aug. 30. 8-30

La., Independence—Baptist Church receives bids Sept. 18 for brick building; \$18,000, rein. conc. foundation, slate roof; J. Howard Ryan, Archt., Summitt, Miss.; Mr. Valadie.

Asso. Archt., Hammond; following contractors estimating: Fuller & French; R. M. Harrington; G. W. Netterville, all McComb, Miss.; W. S. Rutter; Lee McDavitt, both Brookhaven, Miss.; Ward Easley, Magnolia, Miss.; Dominick Anzalone; Independence Lumber Co., both Independence. 8-16

Miss., Grenada—Presbyterian Church receives bids Sept. 18 for Sunday school; plans from A. J. McCaslin.

Miss., Shaw—Presbyterian Church receives bids Sept. 25 for brick, stone, stucco trim and rein. conc. building; \$25,000, rein. conc. foundation, tile roof, steel truss, sheet metal work, 133.4x45.3 ft., 2 stories, wood floors; N. W. Overstreet, Archt., Miss. Fire Bldg., Jackson. See Want Section—Building Material and Equipment.

Mo., Pilot Grove—Evangelical Church, Rev. E. Mueller, Pastor, R. F. D. No. 1, considers erecting \$25,000 bldg.; brick, 1 story.

Mo., St. Louis—St. Peter's Evangelical Church, Rev. Aug. C. Rasche, Pastor, 4015 St. Louis Ave., remodel and enlarge bldg., St. Louis and Warne Aves.; \$25,000; brick, 1 and 2 stories, 24x58 ft. and 19x43 ft., oak floors, conc. foundation, stone trim, steam heat; T. P. Barnett & Co., Archts., Arcade Bldg.; bids in.

N. C., Greensboro—Universalist Church, Rev. H. L. Canfield, Pastor, plans building, Madison Ave. and Lake Drive; probably stone.

Okla., Muskogee—Central Christian Church, N. St. and Okmulgee Ave., Rev. F. G. Davis, Chmn., Bldg. Comm., erect \$50,000 building, Chestnut and Lawrence Sts.; work start about 30 days.

Tenn., Lebanon—Shop Springs Baptist Church, E. H. Price, Chmn., Bldg. Comm., remodel building; brick veneer exterior.

Tex., Ballinger—First Christian Church, Rev. Alfred Crager, Pastor, having plans drawn by Paul G. Silber & Co., Archts., Bedell Bldg., San Antonio, to remodel bldg.; install pipe organ; \$15,000. 7-26

Tex., Houston—Valhalla Burial Park Assn. organized; erect \$70,000 chapel, connection with development of cemetery; pipe organ.

Tex., Houston—Augustana Evangelical Lutheran Church, Oscar Fridh, member, Bldg. Comm., plans bldg., Wheeler Ave. and Chartres St.

Tex., Junction—Baptist Church erect hollow tile and stucco building; 1 and 2 stories, \$15,000; Will N. Noonan Co., Archt., Bldrs. Exch. Bldg., San Antonio.

Tex., Ozona—Baptist Church, Rev. M. M. Fulmer, Pastor, receives bids Sept. 17 for auditorium and basement; brick, tile, cast stone and frame, \$30,000; provision for additional room; Will N. Noonan Co., Archt., Bldrs. Exch. Bldg., San Antonio. 8-2

Tex., Pampa—Christian Church erect \$75,000 building. Address The Pastor.

Tex., San Antonio—Christ Church receives bids Sept. 17 at office John M. Marriott, Archts., Frost Natl. Bank Bldg., for parish house; rein. conc., brick and cast stone, 1 story and basement, about 43x75 ft. 8-16

Tex., Wallisville—Baptist Church erect building; start work at once. Address The Pastor.

Tex., Waxahachie—Church of Christ, Rev. A. E. Walker, Pastor, plans building.

City and County

Ark.-Tex., Texarkana—Miller County, Ark., J. H. McClain, County Judge, remodel courthouse; \$10,000.

Ga., Cochran—City, J. E. Cook, Mayor, voted \$18,000 city hall bonds. 8-30

La., Amite—Tangipahoa County defeated bonds for \$65,000 jail; may call election later. 7-5

La., Minden—Webster Parish Police Jury receives bids Sept. 18 for jail; plans from H. J. Heflin, Chmn., Bldg. Comm.

Miss., Pascagoula—City voted \$60,000 bonds to purchase tract for park and playgrounds, erect amusement pavilion, bathing pier, bath houses and for equipment.

Mo., St. Louis—Board of Public Service, City Hall, receives bids Sept. 18 for cottage for delinquent girls, Meramec Hills near Valley Park; brick and rein. conc., 2 stories and basement, 35x113 ft.; \$75,000; Albert Osburg, Archt.; L. R. Bowen, Engr., Dept. of Bldgs. and Bridges, both City Hall.

N. C., Charlotte—City Commission probably call for bids about Sept. 15 for municipal armory and convention hall, Cecil St. near Park Drive; \$100,000; accommodate 3500 to 4000; M. R. Marsh, Archt., Bldrs. Bldg. 7-19

Tex., San Antonio—City, C. M. Chambers, Mayor, selected Herbert S. Green, Alamo Bk. Bldg., as architect for main library, Market St.; rock, stucco, steel, etc., probably 2 and 3 stories; bonds voted. 5-31

W. Va., Ona—Cabell County Court, Irwin Morrison, Pres., receives bids Sept. 12 for brick and tile building, County Farm; 92x35 ft. with 37x35-ft. wing; separate bids for heating system; plans from office J. M. Oliver, County Engr.

W. Va., Wellsburg—Brooke County votes Nov. 6 on \$400,000 courthouse bonds. Address County Bd. of Commrs.

Dwellings

Ala., Birmingham—C. A. Lauthner, 1504 N. 25th St., erect brick veneer residence, Howard College Estates; 1 story, comp. roof, hot air heat; Phillip S. Mewhinney, Archt., Woodward Bldg.

Ala., Birmingham—Thos. A. Murphree, Bankers Bond Bldg., erect \$25,000 residence, Country Club Gardens; brick and stone veneer, 2 stories; Turner & McPherson, Archts., Martin Bldg.

Ala., Birmingham—J. R. Boggs, 1814 Avenue E., Ensey, erect \$15,000 brick veneer and stucco residence, Windemer Woods; 2 stories, slate roof, tile baths, steam heat; Brooke B. Burnham, Archt., Comer Bldg.

Ala., Tuscaloosa—Ellison H. Bingham erect \$12,000 brick veneer residence; 2 stories, comp. roof, hot air heat; Wm. Leslie Welton, Archt., Amer. Trust Bldg., Birmingham.

D. C., Washington—E. S. Beall, Jr., has permit for 2 brick dwellings, 3811-13 Upton St.; 2 stories; \$19,000.

D. C., Washington—D. C. Gruver, 927 Fifteenth St., N. W., erect 4 dwellings, 3850-56 Beecher St., after plans by Geo. T. Santmyers, 917 15th St., N. W.; brick and tile. 2 stories; \$20,000. 9-6

D. C., Washington—G. Ring, 1400 K St., N. W., erect \$18,000 residence, 4915 Thirtieth Place, after plans by Harvey H. Warwick, 1116 Vermont Ave., N. W.; brick, 2 stories. 9-6

D. C., Washington—Fred H. Gore, 927 15th St., N. W., has permit for \$14,500 residence, 5524 Thirty-ninth St., N. W.; 2 stories.

D. C., Washington—W. J. Wire, 15 Aspen St., Chevy Chase, Md., has permit for \$10,000 residence, 3813 Garrison St., N. W.; brick tile, 2 stories.

D. C., Washington—Wm. H. Gaskill has permit for 2 frame dwellings, 3317-21 McKinley St., N. W.; 2 stories; \$22,000.

D. C., Washington—Cooley Bros., Vermont Bldg., have permit for 1 dwellings, 1918-38 Thirty-eighth St., N. W.; 2 stories, brick and tile; \$55,000.

D. C., Washington—F. B. Mills, Jr., 44 Longfellow Pl., N. E., has permit for \$10,000 residence, 5727-29 Fifth St., N. W.; 2 stories, brick and tile.

Fla., Miami Beach—A. J. Diefenderfer erect residence, 19th St. and Meridian Ave.; C. LeRoy Kinports, Archt., 3897 Kumquat Ave., Coconut Grove; bids in.

Ga., Atlanta—Thos. Howell Scott, Atlanta Tr. Bldg., has low bid from Gilbert Beers, Bona Allen Bldg., for \$45,000 residence, Habersham Road; Edwards & Sayward, Archts., 101 Marietta Bldg. 8-30

Ga., Atlanta—I. N. and H. H. Wilson, 879 Pulliam St., S. W., erect 2 dwellings, 2090-99 Dunwoody St., N. E.; brick veneer, 1 story; \$10,000.

Ga., Atlanta—Atlanta Realty and Construction Co., Healey Bldg., erect two \$10,000 dwellings, 836 E. Morningside Drive, and 1637 N. Rock Spring Road; brick veneer, 1 story.

Ga., Atlanta—W. G. Chestnut, 2½ Auburn Ave., N. E., erect \$10,500 duplex, 800 E. Morningside Drive; brick veneer, 1 story.

Ky., Louisville—Devner B. Cornett, Pres., Cornett-Lewis Coal Co., Coleman Bldg., reported, plans \$75,000 residence, Broadmeade.

Ky., Owensboro—A. W. Rash, Guthrie Ave., erect brick and hollow tile residence, Fredericks St.; semi-fireproof, 2 stories and basement, 72x31 ft.; A. E. Neucks, Archt., Old Natl. Bank Bldg., Evansville, Ind.

La., Baton Rouge—Chas. P. Manship, 230 St. Anthony St., has low bid at \$49,986 from J. H. Fitzgerald for residence; Lewis A. Gross, Archt., Raymond Bldg. 8-16

La., Shreveport—David Lide, care Henry E. Schwarz, Archt., Slattery Bldg., erect \$14,000 residence, Glen Iris Blvd.; brick, 2 stories; bids Sept. 17.

Md., Annapolis—Mrs. C. S. Bradley, Morewood Gardens, Pittsburgh, Pa., erect residence, Annapolis Road.

Md., Easton—Graham Brush, Harrison St., erect \$20,000 residence, Tripps Creek; frame, 2½ stories; Mottu & White, Archts., 347 N. Charles St., Baltimore, preparing working drawings.

Md., Frederick—Louis L. Wilson erect residence, Rockwell Terrace.

Md., St. Michaels—Huglett Henry, Easton, erect \$200,000 residence, Miles River; frame, 2 stories; Mottu & White, Archts., 347 N. Charles St., Baltimore; drawing sketches.

Miss., Jackson—J. C. Carter, New Majestic Bldg., erect \$10,000 residence, Belhaven Ave.; brick veneer, 40x50 ft., hardwood floors, tile baths, hot air heat; J. M. Spain, Archt., Millsaps Bldg.

Miss., Meridian—Arthur Rosenbaum, Popular Springs Rd., considers erecting residence.

Miss., Tupelo—Phil Perabo erect brick veneer residence, Highland Circle; 2 stories and basement, 31x53 ft., oak floors, tile bath, comp. shingle roof, steam heat; Kenneth Markwell, Civil-Landscape Engr., Mutual Tr. Bldg., Memphis, Tenn.; bids in.

Miss., Tupelo—Word H. Baker erect brick veneer residence and garage, Highland Circle; 2 stories and basement, 51x27 ft., oak floors, tile baths, comp. shingle roof; Kenneth Markwell, Civil-Landscape Engr., Mutual Tr. Bldg., Memphis, Tenn.; bids in.

Miss., Tupelo—S. J. High erect brick veneer residence, Highland Circle; 1 story and basement, 52x35 ft., oak floors, comp. shingle roof, tile bath, steam heat; Kenneth Markwell, Civil-Landscape Engr., Mutual Tr. Bldg., Memphis, Tenn.; bids in.

Miss., Tupelo—L. A. Wright erect brick veneer residence, Highland Circle; 1 story and basement, 49x41 ft., oak floors, comp. shingle roof, tile bath, steam heat; Kenneth Markwell, Civil-Landscape Engr., Mutual Tr. Bldg., Memphis, Tenn.; bids in.

Mo., Clayton, St. Louis—Wm. Glicker, 728 Yale Ave., erect \$10,000 residence, 3 Maryland Terrace.

Mo., Clayton, St. Louis—E. A. Simon, 4396 Forest Park Blvd., erect \$20,000 duplex, Wydown Blvd.; brick, 2 stories.

Mo., Clayton, St. Louis—Wm. F. Glayert, 7100 N. Market St., erect 3 brick dwellings, Laughlin's Resub.; 28x40 ft.; \$10,000.

Mo., Kansas City—John R. Williams, care Diamond T Motor Car Co., 1737 Locust St., erect \$25,000 Normandy type residence.

Mo., Kansas City—Robert P. Woods, Pres.-Gen. Mgr., Kansas City, Clay County and St. Joseph Rwy., purchased homesite, 1244 Stratford Road.

Mo., St. Louis—Northwest Realty Co., 2921 N. Grand St., erect 35 dwellings, Bingham Court; French, English and Spanish types.

Mo., St. Louis—J. C. Heman, Daniel Boone Apts., 3753 Lindell Blvd., erect \$28,000 residence, Fair Oaks; brick, 2 stories and basement, 80x35 ft., hardwood floors, tile bath, conc. foundation, tile roof, hot water heat; Kennerly & Stiegemeier, Archts., Title Guar. Bldg.; bids in.

Mo., St. Louis—R. H. Dierke, care Manske & Bartling, Archts., 410 N. Euclid Ave., erect brick and stucco residence, Pasadena Park; 1 story and basement, 47x27 ft., hardwood floors, tile bath, slate roof, hot air heat.

N. C., Charlotte—M. R. Kimball erect \$10,000 residence, 2513 Sherwood Ave.; frame, 2 stories.

N. C., Greensboro—D. F. Siler, 710 Silver Ave., erect \$10,000 residence, Rolling Rd.; brick veneer, 2 stories.

N. C., Winston-Salem—Frank Elliott erect \$14,000 residence and garage, Arbor Rd.; 7 rooms.

Okla., Ada—Elbert Reed erect brick residence, S. Townsend St.; 1 story, 7 rooms.

Okla., Miami—F. S. Hallam erect \$60,000 residence, garage and servants' quarters; brick veneer, 2 stories and basement, 50x60 ft.; Oscar Springer, Archt., 1543 E. 15th St., Tulsa.

Okla., Tulsa—H. A. Hodgson, 2605 E. 26th St., erect \$12,000 residence, garage and servants' quarters; brick veneer, 2 stories and basement, 42x32 ft.; H. H. Mahler, Archt., 204½ E. Third St.

Okla., Tulsa—A. McCallum erect \$15,000 residence, garage and servants' quarters; 2 stories and basement, 24x60 ft., brick veneer; W. D. Blacker, Archt., 1152 S. Trenton St.

S. C., Aiken—Seymour Knox, New York and Aiken, erect \$100,000 estate; plans by Peabody, Wilson & Brown, Archts., 140 E. 39th St., New York; residence fireproof, brick and stone, 2 stories and basement, tile, hardwood and comp. floors, slate roof, steam heat; Scroggs & Ewing, Supvg. Archts., S. F. C. Bldg., Augusta, Ga., to receive bids about 2 weeks and let contracts for stables and outbuildings; bids on residence about first of 1929. 8-30

S. C., Aiken—S. A. Warner Baltazzo, Westbury, Long Island, open bids about Sept. 20 for brick veneer residence; 2 stories, wood shingle roof, \$25,000; Scroggs & Ewing, Archts., S. F. C. Bldg., Augusta, Ga. Address Archts. 9-6

S. C., Columbia—Julius H. Walker & Co., Palmetto Bldg., erect 2 dwellings, 1827-29 Green St.; brick veneer, \$5000 each.

S. C., Columbia—Jeff D. Hunt, Jr., 516 Santee St., erect \$23,000 residence, 142 Edisto Ave.; brick and tile, 2 stories, 8 rooms.

S. C., Columbia—Katheryn Powell Cooper erect \$10,000 residence, 1304 Ellerbe Ave.; brick and tile. 9 rooms.

S. C., Columbia—Melrose Heights Development Co., erect 5 dwellings, Ellerbe St.; brick, brick veneer, tile and stucco, 7 and 8 rooms; \$27,000.

Tenn., Memphis—J. B. Hanson, 769 Vance Ave., plans \$15,000 residence; oak floors, tile roof and baths, steam heat.

Tenn., Memphis—S. Weiss, 1920 Mignon St., erect 2 brick veneer dwellings; 1 story and basement, oak floors, comp. shingle roof, tile bath, hot water heat; \$15,000.

Tenn., Memphis—Sol Isenberg, 148 Union Ave., erect brick and stone residence, Kenilworth St.; 2 stories and basement, oak floors, tile baths, comp. or tile roof, steam heat; J. Frazer Smith & H. M. Burnham, Archts., Goodwyn Inst. Bldg.

Tenn., Memphis—Everett Wood, Amer. Bk. Bldg., erect brick veneer and half-timber residence, Chickasaw Gardens; 1½ stories and basement, about 44x56 ft., L shape, oak floors, tile baths, wood shingle roof, steam heat; Geo. Mahan, Jr., Archt., American Bk. Bldg.

Tenn., Memphis—Clyde I. Van Fossan, Park View Hotel, erect \$40,000 stucco residence, Chickasaw Gardens; 2 stories and basement, 77x62 ft., tile roof and baths, tile and oak floors, steam heat; Geo. Mahan, Jr., Archt., 700 American Bank Bldg.; bids in.

Tenn., Nashville—Frank J. Stull, care O. J. Billis, Archt., 62 Arcade St., complete residence; Galatin Rd. and McMahon Ave.; foundation in; brick, field stone and terra cotta, 2 stories and basement, 38x40 ft.

Tex., Angleton—Robert W. Henderson, care Henderson Cotton Co., Houston, plans 5 or 6 tenant houses, Brazoria County.

Tex., Brady—W. D. Crothers is president of stock company to erect 10 brick veneer dwellings, Crothers Addition, North Brady.

Tex., Brownsville—Joe Bollack erect \$10,000 residence; hollow tile and stucco, 1 story, 9 rooms, hardwood and tile floors, conc. foundation, tile floors and roof; E. G. Holliday, Archt.

Tex., Dallas—Rae Skillern erect \$12,000 residence, 4315 Lorraine St.

Tex., Edinburg—Mrs. Mabelle Spalding, Belrose Hotel, erect 4 frame dwellings; 1 story, 5 and 6 rooms, \$4500 each.

Tex., Houston—Southwood, Inc., J. E. Winston, Vice-Pres., State Natl. Bank Bldg., announced plans for 7 dwellings, Rosedale Ave., Hancock St., Sauer St. and Wichita Ave., South End addition.

Tex., Houston—Marine Building and Lumber Co., 2731 Washington St., erect 13 frame dwellings, Dorothy St.; 5 rooms; \$26,000.

Tex., Houston—J. A. Lewis erect \$10,000 brick veneer residence, 1923 W. Lamar St.; 2 stories.

Tex., Houston—Jas. B. Anderson, Kirby Bldg., erect \$10,000 residence, 1212 Milford St.; brick veneer, 2 stories.

Tex., Houston—E. F. Kelly erect \$11,000 residence, 2514 Truxillo St.; brick veneer, 10 rooms.

Tex., Irving—E. A. Barton, representative, Lone Star Gas Co., started brick veneer residence.

Tex., McAllen—A. W. Cameron erect \$12,000 residence; brick veneer, 1 story, 10 rooms, conc. foundation; A. H. Woolridge, Archt., McAllen; J. W. Hopper, Contr., Edinburg.

Tex., Mercedes—Miss Mildred Bridges erect \$15,000 Spanish type residence; hollow tile and stucco, 2 stories, hardwood and tile floors, tile roof; R. Newell Waters, Archt., Weslaco; about ready for bids.

Tex., San Angelo—Frank Friend receives bids Sept. 18 for brick veneer residence; 2 stories, 10 rooms, 2 baths, tile and slate roof; Paul G. Silber & Co., Archts., Bedell Bldg., San Antonio.

Tex., San Angelo—Methodist Church has permit for \$10,500 parsonage, 2215 David St. Address The Pastor.

Tex., San Antonio—E. Carson erect \$11,000 dwelling, Donaldson St.; 10 rooms.

Government and State

Ala., Birmingham—Treasury Dept., Jas. A. Wetmore, Act. Supvg. Archt., Washington, D. C., receives bids Sept. 28 for extension to lookout system, post office and courthouse; drawings from Custodian at site or from office Supvg. Archt.

Ala., Montgomery—State Bd. of Administration, Chas. A. Moffett, Pres., plans to enlarge tag factory at Kilby Prison.

D. C., Washington—Following contractors estimating on foundation work for building for Department of Commerce, bids Sept. 25 by Treasury Dept., Jas. A. Wetmore, Act. Supvg. Archt.: North-Eastern Construction Co., Lexington Bldg.; J. Henry Miller, Inc., Eutaw and Franklin Sts., both Baltimore, Md.; Fleischer Engineering and Construction Co., 410 N. Michigan Blvd., Chicago, Ill.; John W. Cowper Co., Mfrs. and Traders Bldg., Buffalo, N. Y.; G. B. Mullin Co., Inc., Colorado Bldg., Washington. 8-30

N. C., New Bern—Treasury Dept., Jas. A. Wetmore, Act. Supvg. Archt., Washington, D. C., reported, plans \$225,000 addition to post office.

Tenn., Memphis—Treasury Dept., Jas. A. Wetmore, Act. Supvg. Archt., Washington, D. C., receives bids Oct. 9 for extension to sub-post office; drawings from Supvg. Archt.

Tex., Beaumont—Treasury Dept., Jas. A. Wetmore, Act. Supvg. Archt., Washington, D. C., reported, drawing plans for post office addition.

Tex., Greenville—Treasury Dept., Jas. A. Wetmore, Act. Supvg. Archt., probably call for bids in 30 to 60 days for enlarging post office.

Hospitals, Sanitariums, Etc.

D. C., Washington—Constructing Quartermaster, H. N. Williams, Capt., Q. M. Corps, Army Medical Center, receives bids Oct. 5 for nurses' quarters, Army Medical Center; information and plans upon application. 8-2

D. C., Washington—United States Veterans Bureau, L. H. Tripp, Ch. Constr. Div., Arlington Bldg., drawing plans for \$875,000 Medical and Surgical Bldg., Saint Elizabeths Hospital, under control of Department of Interior; preliminary plans have been presented to Fine Arts Commission; red brick, about 5 stories.

Fla., Lake City—United States Veterans Bureau, L. H. Tripp, Ch. Constr. Div., Arlington Bldg., Washington, D. C., has low bid at \$63,839 from W. T. Hadlow, 32 W. Forsyth St., Jacksonville, Fla., for alterations to Bldg. No. 4, U. S. Veterans Hospital. 8-23

Ga., Alto—Grand Lodge of Georgia, A. F. & A. M., Frank O. Milton, member, Bldg. Comm., Fort Valley, probably start work in Sept. on \$75,000 cottage, State Tuberculosis Sanatorium; furnishings, equipment, etc., \$19,000. 1-19

Ga., Milledgeville—Georgia State Sanatorium, R. C. Swint, Supt., T. H. DeSaussure, Engr., receives bids Oct. 18 for hospital unit: \$500,000; fireproof, rein. conc., brick and

stone trim, 3 stories and basement, struct. steel, conc., tile, terrazzo and comp. floors, built-up roof, steam heat; 300 beds; Daniell & Beutell, Archts., Healey Bldg., Atlanta. 6-14

Miss., Clarksdale—Clarksdale Hospital Bd. of Directors, J. H. Johnson, Pres., consider erecting 15 to 20 room addition.

Miss., Newton—Dr. H. McMullan, Newton, and Dr. M. L. Flynt, D'Lo, remodel and enlarge Newton Sanitarium.

Mo., St. Louis—Barnes Hospital, owned and operated by M. E. Church, South, F. C. Rand, Chmn. Bd. of Trustees, 1505 Washington St., ready for bids about Oct. 1 for 3 additional stories over surgical div. of main hospital for surgical ward; Trueblood & Graf, Archts., Chem. Bldg. 5-3

N. C., Marshall—Duke Foundation, Dr. W. S. Rankin, Chmn., Charlotte, interested in hospital for Madison County.

Tenn., Memphis—Home for Incurables, care Mrs. C. L. Avery, 169 Pine St., considers erecting brick addition; 2 stories, about 25 rooms, conc. and wood floors, comp. roof, steam heat.

Tex., Austin—City, Adam R. Johnson, City Mgr., receives bids Sept. 27, for fireproof addition to Brackenridge Hospital; brick face, rein. conc., 3 stories, 39x88 ft., rein. conc. foundation, frame and floor slabs, hollow tile, tile and conc. floors, metal lath and plaster partitions, comp. roof, steam heat; H. F. Kuehne, Archt., Littlefield Bldg.

Tex., Dallas—Parkland Hospital, Miss Ruby B. Davis, supt. of nurses, considers erecting addition to nurses' home; to include recreation hall, roof garden, swimming pool, classrooms and quarters for about 75 additional nurses.

Tex., Houston—City Council has low bid at \$14,950 from B. P. Panas, Binz Bldg., for boiler house, Jefferson Davis Hospital; bid at \$2999 from Balcke Electrical Co., Chronicle Bldg., for wiring; at \$1800 from Texas Concrete Chimney Co. for chimney and at \$16,259 from Warren-Shivers Co., Inc., 305 Hagerman St., for mechanical equipment; W. A. Dowdy, City Archt. 8-30

Va., Petersburg—Central State Hospital, H. C. Henry, Supt., receives bids Sept. 14 for dormitory; drawings from Baskerville & Lambert, Archts., Travelers Bldg., Richmond.

Hotels and Apartments

Ala., Geneva—Geneva Hotel Co. erect \$50,000 hotel.

D. C., Washington—National Hotel Co., George H. Calvert, Jr., Pres., 507 Pennsylvania Ave., N. W., reported, erect \$6,000,000, 2000-room hotel on site old National Hotel, 6th St. and Pennsylvania Ave., N. W.; Donald Johnson, probable Archt.; Martin P. Kean, Mgr., advises nothing definite.

D. C., Washington—Young Enterprises erect \$10,000, 2-story, brick apartment, 2124 Eleventh St., N. W.

D. C., Washington—The Tomlinson Realty Co., 1024 Vermont Ave., N. W., has permit for \$450,000, 8-story, 77x100-ft. brick apartment, 1230 New Hampshire Ave.

Fla., Fort Lauderdale—Fort Lauderdale Hotel Co., reported, erect 5 or 6-story, 140x224 ft., stucco, hollow tile and rein. conc. hotel; 132 guest rooms with baths, 30 servants rooms with baths, 8 stores on first floor, solarium, swimming pool, tile and cement floors, cast stone, ornamental iron; Wm. A. Bennett, Archt., 14 Real Estate Bldg., Miami.

Fla., Miami—Trust Company of Florida construct new entrance and remodel Patricia Hotel, S. E. Second Ave.; \$15,000; C. E. Oemler, Archt., care owner.

Ga., Savannah—Charles Grimwood erect brick apartment, Henry and Ash Sts.; plans other apartments later.

Ky., Louisville—L. Jacobson & Sons, Ben Jacobson, First Natl. Bk. Bldg., reported, erect \$750,000, 150-apartment, Brownsboro road and Pipe Line lane; also \$125,000 18-apartment Spring drive and Lauderdale road.

La., Lake Charles—C. Bennett Moore, 109 Baronne St., has low bid at \$34,525 from Reimann Construction Co., Maritime Bldg., for 2-story and basement, brick, stone trim, 14-family apartment, Napoleon Ave. and Perrier Sts.; Walter Cook Keenan, Archt., 4239 St. Charles Ave. 8-23

La., Shreveport—United Hotels Co. of the South and West, Inc., Geo. H. O'Neill, V.-P., 25 W. 45th St., New York, having plans prepared by Jones, Roessle, Olschner & Weiner, Ardis Bldg., for remodeling and converting Washington and Youree Hotels into one structure. 6-21

Mo., St. Louis—George T. Thompson Hotel Corp., Claude C. Findly, Sec., purchased Marquette Hotel; erect addition, new furnishings, rearrange shops on ground floor.

Mo., St. Louis—J. G. Urban, 2166 Tower Grove St., erect three 2-story, 25x46 ft., brick tenements, 5927-33 Caronado St.; \$15,000; owner builds.

N. C., Winston-Salem—Dr. A. J. Christian has permit for two 2-story, brick, 8-family apartments, 8th St. between Patterson Ave. and Norfolk and Western R. R.; \$20,000.

S. C., Kingstree—H. L. Whittaker, Rock Hill, remodel Thomas Building for hotel of 25 rooms; brick.

Tenn., Memphis—L. D. Whitaker, 54 S. McLean Blvd., erect \$40,000, 3-story and basement, 36x113 ft., brick and tile, 12-unit apartment, comp. roof, oak floors, stone trim, electric refrigeration, steam heat; R. B. Spencer, Archt., Fidelity Bk. Bldg.

Tenn., Oliver Springs—New Oliver Springs Hotel Co. incorporated with \$250,000 capital; Harvey H. Hannah, N. L. Foster, F. L. Ladd and others; erect 125-room resort hotel; Manley & Young, Archts., Knoxville.

Tex., Crystal City—Crystal City Hotel Co., Inc., Bruce Holsomback, Pres., call for bids about Sept. 20 for \$60,000, 3-story, 75x90 ft., concrete, brick, tile, fireproof, 40-room hotel; Will N. Noonan Co., Archt., Builders Exchange Bldg., San Antonio. 8-23

Tex., Harlingen—Moore Hotel, care B. F. Dittmar Investment Co., City Natl. Bank Bldg., San Antonio, soon call for bids for remodeling Moore Hotel; brick and mill construction; P. G. Silber & Co., Archts., Bedell Bldg., San Antonio.

Tex., Houston—Salvation Army, W. A. Turner, Mgr., Social Dept., 1219 Providence St., erect \$389,000, 4-story, 110x160 ft., 160-room Hotel Welcome on Franklin St.; plans later to erect Industrial Home.

Tex., Houston—J. L. Jones, Cotton Exch. Bldg., erect \$50,000, 3-story, brick business building and hotel, Polk and Caroline Sts.; also add 2 or 3 stories to one-story, rein. conc., steel, brick, cast stone building on Polk St.; J. W. Northrop, Jr., Archt., Kirby Bldg.

Tex., Houston—A. L. Taylor has permit for \$10,000, 4-apartment, 220 Woodhead St.

Tex., Taylor—Taylor Hotel Co., J. Frank Smith, Chmn., Bldg. Comm., having plans prepared by Kelwood Co., Inc., 905 Travis Bldg., San Antonio, for \$250,000, 10-story, 108x125 ft. hotel; conc. frame and slab construction, conc. and tile floors, conc. slab roof; Homer Matthews, Engr., Bedell Bldg., San Antonio. See Want Section—Building Material and Equipment. 9-6

W. Va., Morgantown—W. Bernard Maderia repair and renovate Hotel Maderia; possibly erect coffee shop.

Miscellaneous

Ark., El Dorado—Union County Fair Assn., R. M. Hutchins, soon start work on buildings for County Fair.

Ga., Atlanta—Colonial Club, Harrie M. Ansley, Pres., 185 Avery Dr., erect clubhouse, construct 18-hole golf course, provide parking grounds, practice course, riding school; total expenditure \$225,000 to \$250,000; Burge & Stevens, Archts.; O. I. Freeman, Constl. Engr., 101 Marietta St.

Ga., Atlanta—S. & W. Cafeteria, F. C. Ewart, Local Mgr., 193 Peachtree St., leased additional floor space adjoining present location; expend \$100,000 for improvements; construct lobby, display fountains, 2 service counters, added kitchen space, dining tables.

N. C., Charlotte—Carolina Country Club, L. F. Camp, Pres., organized with \$150,000 capital; erect clubhouse on York Road.

Tex., San Antonio—Petroleum Club organized with Dr. F. L. Thompson, Pres., Grayburg Oil Co., Maverick Bldg.; C. A. Campbell, Mgr., Milham Corp. of Texas, Texas Theatre Bldg.; having plans prepared for remodeling second floor of Milam Bldg. for clubrooms.

Railway Stations, Sheds, Etc.

La., New Orleans—Louisiana Public Service Comsn., Francis Williams, Chmn., adopted resolution authorizing Illinois Central R.R., A. F. Blaess, Ch. Engr., Chicago, erect \$8,000,000 station on present site, Howard Ave. and S. Rampart St.; eliminate grade crossings, build station with 390 ft. frontage, install 14 tracks with 17 ft. platforms, double length of shed area, construct viaduct at Cleburne Ave.

La., New Orleans—Louisiana Public Service Comsn., Francis Williams, Chmn., considering plans for downtown station to be used by Louisville & Nashville R.R., W. H. Courtenay, Ch. Engr., Louisville, Ky., and Southern Railway System, A. A. Woods, Ch. Engr., M. W. & S., lines West, Cincinnati, O.

Schools

Ala., Anniston—Calhoun County Bd. of Education erect combination auditorium and gymnasium at high school at Oxford; brick; also erect negro school in Mechanicsville Dist.

Ark., Armstrong Springs—Morris Institute erect recreational building to include gymnasium, swimming pool and auditorium; also dormitory; 2 stories, brick.

Ala., East Lake, Sta., Birmingham—Alabama Boys Industrial School erect shop building and dormitory; \$80,000 to \$90,000; also repairs roof of present buildings, \$2500.

Fla., Miami—Dade County Bd. of Public Instruction erect school in Miami Shores sub-division; first unit to consist of school rooms and assembly room to cost \$100,000; Weed & Virrick, Archts., 328 N. E. Second Ave.

Fla., Quincy—Gasden County Bd. of Public Instruction, G. H. Gray, Supt., receives bids Sept. 15 for addition to auditorium and installing new heating system in school.

Fla., Tallahassee—Following contractors estimating on \$200,000, 2-story and basement, brick and tile, stone trim gymnasium at Florida State College for Women, bids Sept. 17: Leo Alsheimer, Gilchrist Hall, P. S. C. W.; O. P. Woodcock Co., 302 Lutz Bldg.; G. W. Hessler, Inc., Barnett Bldg.; D. D. Thomas & Son, Hildebrandt Bldg., all three Jacksonville; Berg-Marshall, Inc., Rm. 16 Hardin Bldg., Lakeland; Eric T. Clauson, Box 1965, Greensboro, N. C.; Frost Construction Co., 601 Marion St., Tampa; Grahn Construction Co., 133½ Magnolia Ave., Daytona Beach; Arthur E. Ittner, Albany, Ga.; O'Neill-Orr Construction Co., 212 N. E. 4th St.; The St. John Co., Box 436, both Miami; St. Augustine Building Co., 332-34 City Bldg., St. Augustine; The W. F. Jackson Co., Red Rock Bldg., Atlanta, Ga.; Ward & Ward, Fairmont, W. Va.; Rudolph Weaver, Archt., Peabody Hall, Gainesville. 8-23

Ga., Bowman—Bowman School Dist. voted \$25,000 bonds for school; address Dist. School Trustees. 9-6

Ga., Cochran—City voted \$7000 bonds for high school and auditorium; address Bd. of Education. 8-30

Ga., Fort Valley—Fort Valley High and Industrial School for Negroes soon call for bids for \$100,000, 4-story and basement, brick, stone trim, struct. steel building; conc. and tile floors, steam heat; Ludlow & Peabody, Archts., 101 Park Ave., New York; Robt. S. Fiske, Consult. Engr., Healey Bldg., Atlanta; Aiken & Faulkner, 159 Auburn Ave., Atlanta, estimating.

Ga., Meigs—Thomas County Bd. of Education, Thomasville, and Mitchell County Bd. of Education, Camilla, plan consolidating Meigs and Pelham School Dist. and erecting school at Meigs.

Ga., Rome—Martha Berry School receives bids Sept. 20 for \$100,000, 2-story and basement, rein. conc., brick, stone trim dormitory; comp. roof, steam heat; Cooper & Cooper, Inc., Archts., Bona Allen Bldg., Atlanta; following contractors estimating: A. K. Adams & Co., 542 Plum St., N. W.; George A. Clayton & Co., Bona Allen Bldg.; Grahn Construction Co.; The Flagler Co., both Red Rock Bldg.; W. P. Francis, 201 Luckie St., N. W.; A. J. Krebs Co., Walton Bldg.; J. S. McCauley & Co., Bona Allen Bldg.; The Foundation Co., 101 Marietta St.; Carr Construction Co., Candler Bldg., all Atlanta; Thompson-Starrett Co., 250 Park Ave., New York. 8-16

Ga., Thompson—Bd. of Education call for bids about Sept. 15 for \$100,000, 2-story and basement, brick veneer school; comp. roof, wood floors; Wm. J. J. Chase, Archt., 140 Peachtree St., Atlanta. 6-21

La., Benton—Bossier Parish School Bd. erect \$30,000, 2-story, brick, 6-classroom and auditorium addition to school; built-up comp. roof, wood floors; Edw. F. Neild, Archt., City Bk. Bldg., Shreveport.

La., Lafayette—Southwestern Louisiana Institute, Dr. Edwin L. Stephens, Pres., remodel administration building; enlarge auditorium, additional offices and equipment; \$70,000.

La., Lake Charles—School Bd., F. M. Hamilton, Pres., receives bids Sept. 27 for brick and steel fireproof gymnasium on high school campus; plans from I. C. Carter, Archt., Kaufman Bldg.

Miss., Biloxi—School Bd. soon call for bids for \$15,000, brick, fireproof gymnasium at high school; Carl Matthes, Archt.

Miss., McLain—Bd. of Trustees, D. D. Daughdrill, Sec., received low bid at \$11,545 from W. M. Wright, Petal, for one-story, 75x137 ft., brick school; E. C. Hearon & Sons, Archts., 201½ W. Pine St., Hattiesburg. 8-23

Miss., Pascagoula—Jackson County School Bd., Frank Snell, member, Big Point, soon select site for brick school for consolidated school district to be formed of Pecan, Orange Grove and Kreole districts.

Miss., Prentiss—Jefferson Davis County Bd. of Education receives bids Sept. 21 for \$12,000, brick, 6-classroom and auditorium school for Clem Consolidated School Dist. 7-12

Miss., Senatobia—Town voted \$10,000 to be supplemented by \$12,000 for additional dormitories and other improvements at North-west Mississippi Junior College. 8-9

Mo., Columbia—Stephens College Trustees erect \$100,000 dormitory; plan 5 other dormitories and library later.

Mo., Columbia—Sigma Chi Fraternity, University of Missouri, erect chapter house, 500 College Ave.; Frederick H. Michaelis, Archt., 204 Tower Bldg., Kansas City.

Mo., Excelsior Springs—Excelsior Springs School Dist. votes Oct. 23 on \$200,000 bonds for high school and improvements at Lincoln School; Owen-Saylor & Payson, Archts., 505 Interstate Bldg., Kansas City. 7-26

Mo., St. Joseph—City considering vote not later than Oct. 9 on \$2,500,000 for building program to include Central High School in vicinity of 26th and Edmond Sts. to cost about \$850,000; improve present building for intermediate high school; intermediate high, 22nd and Pacific Sts., \$333,000 to \$415,000; Jackson-Garfield Dist., elementary school, \$230,000 to \$270,000; Webster Dist., elementary school, \$165,000 to \$200,000; Ernest, elementary school, \$135,000 to \$170,000; Hyde, elementary school, \$115,000 to \$140,000; Benton High, \$45,000 to \$55,000 addition; Bartlett High, \$54,000 to \$64,000 gymnasium and auditorium addition; Lafayette, erect auditorium and remodel gymnasium, \$45,000 to \$55,000; Everett, elementary school on present site, \$25,000 to \$30,000; Humbolt, \$33,000 to \$45,000 addition; Owen, \$22,000 to \$30,000 elementary school; Blair, \$20,000 addition to site; Bliss and Hosea, additional ground, \$15,000 and \$20,000; Neely, \$10,000 to \$20,000 addition; South Park, purchase new site, \$15,000 to \$20,000; Whittier, additional playground, \$10,000 to \$15,000; also improvements to plumbing and heating systems in old buildings, \$62,000; general repairs, \$79,750; J. S. Lucas, Pres., Bd. of School Directors. 8-30

N. C., Durham—Bd. of Education, M. B. Fowler, Bus. Mgr., plans schools in North Durham, on Arnette Ave. and colored school at Lion Park.

Okla., Tulsa—Bd. of Education soon call for bids for \$60,000, 6-classroom, George W. Carver Junior high school for negroes, Oklahoma St. and Hartford Ave.

Tenn., Greeneville—Tusculum College erect \$60,000 Science Hall; brick.

Tex., Austin—St. Edwards University plans additional facilities including auditorium, chapel, engineering building, gymnasium and several dormitories.

Tex., Beaumont—Bd. of Education, I. W. Lawhon, Pres., received low bid at \$54,063 from Charles F. Law, Wall and Archie Sts., for Charlton Pillard Negro High School; Livesay & Weidemann, Archts., San Jacinto Bldg. 8-30

Tex., Cisco—School Bd. erect \$40,000 West Ward School; R. S. Glenn, Archt.; bids in. 8-23

Tex., Dallas—Chamber of Commerce and Open Shop Assn., 1101 Commerce St., interested in campaign to raise \$200,000 for erection of buildings for Dallas Vocational School on 30-acre site on Cedar Springs road; plans include administration building, trades buildings, shop craft building; T. E. Jackson, Chmn., Executive Comm.

Tex., Dallas—Bd. of Education erect \$45,000, 60x95 ft., 6-classroom addition to Sam Houston School; Bertram C. Hill, Archt., Construction Industries Bldg.; also new roof on Cockrell Hill School.

Tex., Houston—Bd. of Education, Houston Ind. School Dist., H. L. Mills, Bus. Mgr., Box 1226, received bids Sept. 14 for general contract, electric, heating, plumbing for following schools: (1) additions and alterations to Alexander Hamilton Junior High; L. A. Glover, Archt., Blinz Bldg.; (2) shop building for Milby High School; L. A. Glover, Archt.; (3) shop building for Stonewall Jackson Jr. High; L. Q. Cato, Archt.; Bankers Mortgage Bldg.; (4) shop building for James S. Hogg Jr. High; B. P. Briscoe, Archt., Second Natl. Bank Bldg.

Tex., Port Neches—Port Neches Common School Dist. Trustees plan vote on \$30,000 bonds for ward school in Groves subdivision.

Tex., San Antonio—Congregation of Sons of Immaculate Heart of Mary purchased 215-

acre site on Bandera Road for educational institution.

Tex., San Antonio—Rev. Arthur J. Dros-saerts, Archbishop, Catholic Diocese of San Antonio, purchased 60-acre site on Bandera Road for major seminary; also purchased site at Airport City for school and church.

Tex., San Antonio—St. Mary's University considering erecting several buildings.

Va., Hopewell—City voted \$100,000 school bonds; address Bd. of Education. 8-23

W. Va., Parkersburg—Tygart School Dist. plans vote on \$100,000 bonds; C. A. Meyer, Sec., Wood County Bd. of Education.

Stores

Ala., Montgomery—Knighen Furniture Co., 32 Commerce St., reported, erect \$100,000, 5-story, brick store.

Ark., Texarkana—J. L. Wadley, Box 354, let contract to Hard Construction Co., for \$30,000, 2-story, 50x140 ft., brick store, 312-14 Vine St., to be leased to Montgomery Ward & Co., Fort Worth, Tex., who will furnish equipment; ornamental terra cotta and plate glass front, mezzanine floor, elevator; Lambert de Koenig, Archt., Texarkana Natl. Bank Bldg., Texarkana, Tex. 8-30

D. C., Washington—Rubin & Perry erect 5 one-story, brick and tile stores, 2312-20 Georgia Ave., N. W.; \$20,000.

Fla., Jacksonville—W. M. McElroy has permit for 2 one-story, brick stores, 2745-50 Park St.; \$25,000.

Fla., Miami—Charles Habig, care Weed & Virrick, Archts., 328 N. E. Second Ave., erect \$75,000, 2-story, 144x80 ft., hollow tile auto show rooms, Biscayne Blvd. and 20th St.

Ga., Atlanta—Ansell-Lapkin Stores Co., Inc., 258 Fifth Ave., New York, remodel store, 105 Whitehall St.; 2 stories and basement, brick, painting, mill work, decorating, store fronts; R. S. Monday, Archt., 1009 Norris Bldg.

Ga., Macon—Joseph N. Neel, 520 Cherry St., J. Clay Murphey, 548 Orange St., and W. E. Dunwoody, Rivoli, remodel 3-story Merritt building on Third St. for business purposes.

Ga., Macon—Murphey, Taylor & Ellis, 470 Cheyenne St., erect 3-story and basement store on Third and Poplar Sts.; terra cotta front; to be leased to Montgomery Ward & Co., Chicago; Dunwoody & Olliphant, Archts.

La., New Orleans—J. R. Patterson received bids Sept. 14 for remodeling 2-story brick store and office, S. Rampart and Julia Sts.; Jones, Roessle & Olschner, Archts., Maison Blanche Bldg.

N. C., Asheville—New York Waist House, Inc., 1115 Broadway, New York, erect \$100,000 building, 27-31 Haywood St.

N. C., Raleigh—Grimes Realty Co. repair building leased to Hudson-Belk Store; \$14,000.

Okla., McAlester—J. B. McAlester, reported, expend \$12,000 to remodel building for Montgomery Ward & Co., Chicago.

Okla., Oklahoma City—O. F. Garland, 307 Harrison St., erect 3-story brick building in 200 block California Ave.; also remodeling building in 100 block California Ave.

Okla., Oklahoma City—John J. Harden, Inc., G. S. Simpson, Sec., 205 Petroleum Bldg., erect number stores in connection with 145-acre development; B. G. Naftzger, Archt., 2701 W. 19th St. 6-14

Okla., Oklahoma City—Ed. Spivey erect 3-store building on California Ave.

S. C., Gaffney—E. I. Sinkoe, Gaffney Mercantile Co., erect 2 store rooms and possibly theater on Limestone St.

Tenn., Nashville—Ansell-Lampkin Stores, Inc., H. R. Ansell, Pres., 258 Fifth Ave., New York, remodel store, 424 Union St.; install new front.

Tex., Abilene—C. L. Johnson erect 4-story, 50x140-ft. building, N. Third and Cypress Sts., for G. W. Waldrop & Co., home furnish-ers; brick, stone trim, fireproof, elevators, Gothic type; Nichol & Campbell, Archts.

Tex., Brownsville—Jose Bastiero erect one- or two story, 50x50-ft. brick and conc. store.

Tex., El Paso—Gunning & Casteel Drug Co., 907 N. Piedras St., erect \$13,000 stone and brick building, block 14, Manhattan Hts. addition.

Tex., Fort Worth—Tiller Estate received low bid at \$249,990 from James T. Taylor, First Natl. Bank Bldg., for 5-story and basement, brick, stone, steel and rein. conc. department store, 4th and Throckmorton Sts., to be leased to Sanger Brothers, Chester L. Jones, Pres., 515 Houston St.; plumb-

BUILDING CONTRACTS AWARDED

Association and Fraternal

ing and heating, \$42,000. S. P. Osburn, 1900 5th St.; electric, \$19,800. J. M. Johnson & Co., 508 N. Akard St., Dallas; sprinkler system, \$6720. Texas Automatic Sprinkler Co., Santa Fe Bldg., Dallas; Wyatt C. Hedrick, Archt., First Natl. Bank Bldg. 8-23

Tex., Harlingen—G. C. Howell and Dr. J. M. Green erect \$35,000, 50x150 ft., 2-story building to be leased to Montgomery Ward & Co., Chicago. 7-12

Tex., Mercedes—Frank Dawson, care Mercedes Plumbing Co., erect 1-story brick or hollow tile and stucco building; private plans.

Tex., San Antonio—J. J. Brasolli has permit for \$22,500 store, Commerce St.

Tex., San Antonio—D. O. Terrell, City Natl. Bank Bldg., soon call for bids for \$55,000, 2-story and basement, 120x52 ft., conc., cast stone, fireproof building, Navarro St., west of Auditorium for sales and display rooms for A. Martin Wright Electric Co., 308 E. Houston St.; excavation and basement work complete; Atlee B. & Robt. M. Ayres, Archt., Bedell Bldg.; W. E. Simpson Co., Consult. Engr., Natl. Bank of Commerce Bldg. 7-12

Tex., Waco—Walter Clement, New Braunfels, erect 2-story and basement, brick and conc. building, Austin and Seventh Sts., to be occupied by Snaman's; H. L. Spicer, Archt., Amicable Bldg.

Va., Radford—W. E. Turpin & Son, Indian Valley, erect store and apartment on First St.

W. Va., Clarksburg—F. W. Woolworth Co., 128 Adams St., has permit for \$15,000 improvements to 2 store rooms, 344-46 W. Main St.

Theaters

Ark., El Dorado—Arkansas Amusement Enterprises, Inc., M. A. Lightman, Pres., erect \$200,000 theater, Jefferson and Cedar Sts.

Ga., Quitman—Lloyd Greer, Archt., Valdosta, preparing plans for fireproof motion picture theatre for Interstate Enterprises, Inc., on site on S. Lee St., owned by Young Estate.

La., Mansfield—Brownie Theaters, Inc., M. M. Press, Pres., Strand Bldg., Shreveport, remodel wing of Jenkins Bldg. for 3-story theater; \$35,000; install pipe organ; building to be air cooled and steam heated.

La., Opelousas—A. Higginbotham, 969 Louisiana Ave., Baton Rouge, soon select architect for \$100,000 brick and fireproof theater; seat 1400 people; several stores on ground floor. 5-24

Tenn., Hollywood, Sta. Memphis—Hanover Development Co., Joseph Hanover, Pres., Dermon Bldg., Memphis, erect \$50,000 theater, Bryan Ave. and Peres St.; auditorium to seat 500, install Movietone and Vitaphone.

Tex., Bishop—Charles Vest remodel Dunn Bldg. for theater.

Tex., El Paso—Dent Theaters, Inc., 2009½ Jackson St., Dallas, call for bids about Nov. 15 for \$450,000, 4-story, 100x200 ft., brick, stone, steel, rein. conc., fireproof theater and office building; W. Scott Dunne, Archt., Melba Bldg., Dallas. 2-9

Warehouses

Fla., Miami Beach—J. F. & E. N. Mathews erect \$50,000, 2-story, 75x100 ft., rein. conc., hollow tile and stucco addition to warehouse; E. L. Robertson, Archt., Calumet Bldg., Miami.

Fla., Tampa—B. S. Todd, 909 Parkwood Ave., has permit for \$18,000 warehouse, 402 Hampton St.

La., New Orleans—Hortman-Salmen Co., Inc., 3800 Tulane Ave., receiving bids for 3-story, rein. conc. and brick warehouse and office building on Jefferson Davis Parkway and Howard Ave., for Great Atlantic and Pacific Tea Co.; E. B. Mason, Archt., 6037 Perrier St.

Tenn., Nashville—Terminal Warehousing Corp., E. E. Noel, Pres., temporary offices 304 Cotton State Bldg., co-operating with Nashville Terminals Co., erect \$1,000,000 rein. conc. warehouse to contain 300,000 sq. ft. floor space in connection with \$8,000,000 development of industrial section accessible to Union Station switch yards, 11th Ave. from Broadway to Jo Johnson Ave., distance of 9 blocks; in warehouse will be offices for brokers and manufacturers agents and display rooms; erect other buildings to lease to tenants requiring railroad facilities; lay 2700 ft. railway track beneath Church St. Viaduct across Cedar St., linking new track with northern end of main switch yard, private sidings for enterprises on Cedar St.; others co-operating are Louisville & Nashville R. R., N. C. & St. Louis R. R. and Commerce-Union Bank of Nashville.

Miss., Vicksburg—Young Men's Christian Assn. let contract at \$33,995 to W. C. Salley, Monroe, for fourth story addition; Emmett J. Hull, Archt., Merch. Bank and Tr. Bldg., Jackson. 8-23

S. C., Charleston—Salvation Army let contract to C. H. Lynch for \$15,000 headquarters bldg., King St. 6-28

Tex., Houston—Cade-Rothwell Masonic Building Assn. started work on \$20,500 lodge building and garage, N. Main and James Sts.; brick veneer, steel frame and trusses, 2 stories, 44x100 ft., cement and wood floors, tar and gravel roof; Lamar Q. Cato, Archt.; Robt. J. Cummins, Engr., both Bkrs. Mort. Bldg.; C. W. Raper & Son, Contrs., 1132 Heights Blvd. 9-6

Bank and Office

La., New Orleans—American Bank and Trust Co. let contract to Geo. J. Glover Co., Inc., Whitney Bldg., for 21-story bank and office building, Carondelet and Common Sts.; Indiana limestone, terra cotta, face brick, polished granite base, 106x107 ft., 315 ft. high, 3 set-backs, steel frame, hollow tile and wood floors, piling and rein. conc. foundation, comp. roof, 5 high-speed elevators, safety deposit boxes, cold storage vaults in basement served by special elevator, orn. marble stairs; Moise H. Goldstein, Archt., Hibernia Bldg. 8-16

Mo., Ashland—John W. Case has contract to erect 1-story fireproof bank and store bldg. to replace burned structure; 50x70 ft.; Wm. D. Sapp, Cashr. of bank.

N. C., Canton—Champion Bank & Trust Co. let contract at \$50,000 to Phillips Construction Co., Waynesville, for rein. conc. and brick bank bldg.; 2 stories; Jas. J. Baldwin, Archt., Taylor Bldg., Asheville. 7-26

Tex., San Antonio—National Bank of Commerce remodeling interior; \$80,000; Lane & Tweed, Contrs., City Bank Bldg., Kansas City, Mo. 9-6

Churches

Ala., Montgomery—Highland Avenue Baptist Church let contract to A. C. Samford, Shepherd Bldg., for \$55,000 building; brick and steel, 3 stories; Okel & Cooper, Archts., Bell Bldg.

Ark., Van Buren—Oak Grove Baptist Church, Ed Cooper, Chmn., Bldg. Comm., erect brick bldg.; 1 story, pine floors, comp. roof; J. V. Sellers, Contr.

D. C., Washington—Zion Evangelical Lutheran Church, Rev. Richard Schmidt, Pastor, erect \$13,000 frame and stucco church and Sunday school, New Hampshire Ave. and Buchanan St.; 1 story, about 40x70 ft.; Chas. E. Haupt, Archt., 1629 P St., N. W.; G. G. Loehler Co., Contr., Kalmia Road.

Ga., Atlanta—Church of Christ let contract to Wm. Alden, 710 Sycamore St., for building, Gordon and Hopkins Sts., S. W.; common and face brick, cast stone trim, 2 stories and basement, 90x52 ft., conc. and oak floors, struct. steel trusses, Johns-Manville roof; Chas. H. Hopson, Archt., Healey Bldg. 8-30

Ga., Cuthbert—Baptist Church remodel church and erect \$25,000 brick and hollow tile Sunday school; 2 stories, accommodate 500; Dennis & Dennis, Archts., 556 Mulberry St., Macon; W. J. Peppin, Contr., Moultrie.

La., Crowley—First Presbyterian Church will let contract to E. E. Rabelais & Son, Bunkie, for \$75,000 church and Sunday school; brick, steel, conc. and wood, 2 stories, wood, tile and cement floors, rein. conc. foundation, slate roof; W. T. Nolan, Archt., Canal Bank Bldg., New Orleans. 8-23

La., Natchitoches—First Baptist Church let contract at \$75,421 to Knapp & East, Kaufman Bldg., Lake Charles, for rein. conc., brick and stone trim church; Italian type, 3 stories; auditorium seat 1023, Sunday school seat 700; Edw. F. Neild, Archt., City Bank Bldg., Shreveport. 8-23

Md., Baltimore—Edmondson Avenue M. P. Church let contract to E. G. Turner, 2133 Maryland Ave., to remodel and erect Sunday school addition; \$40,000; John Freund, Archt., 1307 St. Paul St. 8-30

Miss., Richton—Baptist Church let contract to L. E. and W. F. Breland, Barbara, Miss., for \$20,000 building; brick veneer and stucco, wood and conc. floors, tile and comp. roof, rein. conc. foundation; E. C. Hearon & Sons, Archts., 201½ W. Pine St., Hattiesburg. 7-12

Mo., Columbia—Swenson Stone Co., Bloomington, Ind., has Bedford stone contract for superstructure of \$425,000 church for Mis-

souri Methodist Foundation; plans by H. M. King, Architectural Sec., Bd. of Extension of M. E. Church, South, Louisville, Ky.; John Epple Construction Co., Contr., Ferguson, Mo. 7-12

N. C., Asheville—St. Lawrence R. C. Church let contract for \$40,000 rectory to John M. Geary Co., 35 N. French Broad Ave.; 12 rooms, Colonial type, fireproof, brick, 2 stories and basement, 61x42 ft., tile roof; Rev. Michael McInnerney, Archt., Belmont. 8-30

Tex., Corpus Christi—Protestant Episcopal Church of Good Shepherd let contract to Al Barron, Corpus Christi, for addition; brick veneer, conc. columns; John M. Marriott, Archt., Frost Bldg., San Antonio. 7-26

City and County

Ala., Jacksonville—Calhoun County erect several buildings, County Home and Hospital for Dependents near Jacksonville; conc., brick and frame, 1 and 2 stories, conc. and maple floors, conc. foundations, galvanized shingle roofs; \$57,000; Frank Lockwood, Archt., 119 Adams St., Montgomery; Ogletree Construction Co., Contr., 11th St. and Railroad, Anniston. See Want Section—Building Material and Equipment. 9-6

Ala., Vernon—Lamar County Bd. of Revenue let contract to Honeycutt Construction Co., Birmingham, for \$32,000 jail; D. O. Whilldin, Archt., 515 N. 21st St., Birmingham. 8-23

Ark.-Tex., Texarkana—Southern Prison Co., 4500 S. Presa St., San Antonio, Tex., has jail contract at \$12,200 for \$300,000 municipal building; elect. fixtures, Buhrman-Parr Hardware Co., Texarkana; Witt, Seibert & Halsey, Archts., Texark. Natl. Bank Bldg., Texarkana; Stewart-McGehee Construction Co., Contr., Kahn Bldg., Little Rock, Ark. 8-23

Ga., Atlanta—Central Avenue A. M. E. Church erect \$45,000 brick building, 501 Mitchell St., S. W.; 1 story and basement, 82x50 ft. with 30x50-ft. wing, wood floors, wood joists, comp. roof, steam heat; R. F. Walker, Contr., 886 Simpson St.

Ga., Folkston—Charlton County Bd. of Commrs. let contract for courthouse and alterations and addition to jail to B. P. Kennard, 2117 Ernest St., Jacksonville, Fla.; rein. conc., brick, hollow tile partitions, 2 stories and basement, 80x50 ft., cast stone trim, struct. steel, Barrett built-up roof; Roy A. Benjamin, Archt., Bisbee Bldg., Jacksonville. 8-23

La., Metairie—Metairie Ridge Volunteer Fire Dept. let contract for hollow tile fire engine house, repair shop and meeting hall building to M. E. Ferrand, 138 Elvis Court; Theo. L. Perrier, Archt., Maritime Bldg., both New Orleans. 8-2

Tex., Houston—Etie Sheet Metal Works, Inc., 1509 Washington St., has sheet metal work contract for \$350,000 superstructure of \$1,000,000 Farmers' Market; elect. work, A. T. Vick Co., Inc., Electric Bldg.; plans by J. C. McVea, City Engr.; Tellepsen Construction Co., Contr., 3900 Clay St. 5-24

Tex., Pampa—Chas. A. Symonds, Contr., erect 7 brick dwellings; \$52,000.

Tex., Pelly, Goose Creek—Town of Pelly, H. S. Leggett, Mayor, let contract to Chas. Freeman, Goose Creek, for municipal building; Curtis & Thomas, Contrs., Post-Dispatch Bldg., Houston. 8-23

Tex., San Angelo—A. H. Andrews & Co., 107 S. Wabash Ave., Chicago, Ill., Angelo Furniture Co., representative, has contract at \$10,750 for chairs for city auditorium; Trost & Trost, Archts.-Engrs., Two Republics Bldg., El Paso, and San Angelo; Ware Construction Co., Contr., 1614 E. Missouri St., El Paso. 9-6

Dwellings

Ala., Birmingham—T. S. Darnall, 1101 S. 27th Place, erect \$20,000 brick veneer residence, Forrest Park; 2 stories, 60x40 ft., slate roof, steel sash; Jacob E. Sallie, Archt., Exch. Bldg.; Paul Bros., Contrs., Hollywood.

Ala., Birmingham—E. W. Wetzel erect \$10,000 residence, Eastwood Park; brick veneer, 1 story, 33x61 ft., comp. roof, furnace heat; Jacob E. Sallie, Archt., Exch. Bldg.; B. S. Brush, Contr., 7920 N. Fifth Ave.

Ala., Birmingham—D. W. Crim, 109 N. 21st St., erect conc., tile and stucco residence, Howard College Estates; 1 story, tile roof, furnace heat; Philip S. Mewhinney, Archt., Woodward Bldg.; J. T. Gandy, Contr., 1109 W. Sixth Court.

Ala., Hollywood—H. R. Wisellogie, 1216 N. 29th St., erect \$15,000 residence; brick veneer, 2 stories, 34x38 ft., comp. roof, furnace heat; Jacob E. Salle, Archt., Exch. Bldg.; B. S. Brush, Contr., 7920 N. Fifth Ave.

Ala., Montgomery—H. H. Gardner, Pres., Woco-Pep Co., 123 Madison Ave., erect \$12,000 residence, 526 Fairview Ave.; brick, 2 stories, tile roof; Greason Manufacturing Co., Contr., 103 Shady St.

Ark., Camden—Lee Berg erect 3 cottages, Locust and Woodward Sts.; 4 rooms.

Fla., Jacksonville—S. Bryan Jennings, Dyal Upchurch Bldg., erect \$18,000 residence, 1846 Montgomery Place; frame, 2 stories; Brown Realty Co., Contr., Hildebrandt Bldg.

Fla., Miami—Roy Hawkins erect \$18,000 residence and garage, Miami Shores; hollow tile, L-shape, 60x60 ft., 2 stories, wood and tile floors, tile and comp. roof; Weed & Virrick, Archts., 328 N. E. Second Ave.; Harrison Construction Co., Contr., 500 N. E. 45th St.

Fla., Palm Beach—David H. McCullough, Golf View Rd., erecting \$70,000 residence, El Brillo Way; Marion Sims Wyeth, Archt., Wyeth Bldg.; Harry R. Corwin & Co., Contr., Peruvian Ave.

Fla., Palm Beach—Chas. M. Hayes, N. Ocean Blvd., let contract to Arnold Construction Co., Harvey Bldg., to remodel and enlarge residence, Ocean Blvd.; \$32,500; John L. Volk, Archt.; C. A. Maass, Jr., Asso. Archt., both Plaza Bldg. 7-19

Fla., Palm Beach—Maurice Fatio let contract for Vought & Halpern, Inc., Plaza Bldg., for \$25,000 hollow tile and frame residence, Via Del Mar; 1 and 2 stories, about 80x105 ft., wood and tile floors, conc. foundation, Cuban tile roof; Treanor & Fatio, Archts., Phipps Plaza. 8-9

Fla., Starke—N. Sternberg erect 2-story English type brick residence, N. Walnut St.; Smith & Thompson, Contr., Gainesville.

Fla., St. Petersburg—Mrs. Katherine B. Tippetts, 575 Central Ave., erect \$20,000 residence and garage, Pinellas Point, 14th St. South and Serpentine Drive; 12 rooms, 2 stories, tile; J. F. Chase, Contr.

Ga., Atlanta—Geo. T. Howard erect 3 dwellings, 851-57-61 Durant Place, N. E.; brick veneer, 2 stories, hardwood floors, comp. roofs, hot air heat; \$24,000; day labor.

Ga., Atlanta—F. P. & Geo. J. Morris, 76 N. Pryor St., N. E., erect 4 brick veneer dwellings, 60 Ashby St., N. E.; 824 York-shire Road, N. E.; 712 Greenwood St., S. W., and 702 Amsterdam Ave., N. E.; 1 story, hardwood floors, comp. roofs, tile baths; \$25,000; day labor.

Ga., Atlanta—J. W. Starr, 880 Virginia Ave., N. E., erect \$10,000 residence, 870 Virginia Ave., N. E.; 7 rooms, hardwood floors, comp. roof, hot air heat; J. F. Eubanks, Contr., 847 Adair Ave.

Ga., Atlanta—Jackson P. Dick, 131 Ponce de Leon Ave., N. E., probably have plans for \$100,000 residence, Andrews Drive, ready about Oct. 5; brick, hollow tile, 2 stories and basement, hardwood and tile floors, slate or tile roof, misc. and orna. iron and steel, steam heat; Cooper & Cooper, Archts., Bona Allen Bldg. 7-19

Ga., Shannon—Brighton Mills let contract for 50 operatives' dwellings to Townsend Lumber Co., Anderson, S. C.; frame, 3, 4 and 5 rooms; \$85,000; Robt. S. Flske, Engr., Healey Bldg., Atlanta, Ga. 8-16

La., Baton Rouge—Dr. F. F. Dupree erecting 3 dwellings, 12th St.; \$5000 each.

La., New Orleans—W. J. Woodward erect single frame residence, Chestmont Park; B. A. Russ, Contr., 4 Paladn Place.

La., New Orleans—C. C. Probst, 732 Perdido St., erecting single residence, F'llmore St. near Catina St.

La., New Orleans—Dr. Gillaspie erect \$12,500 residence, Versailles Blvd. near Claiborne St.; 1 story, tile roof; E. L. Markel, Contr., 3838 Louisiana Ave. Pkwy.

La., New Orleans—Philip Schneller, Contr., 4141 Orleans St., remodel and erect additions to 3 double dwellings, 3000 block St. Peter St.

La., New Orleans—Mrs. Annie M. Loneragan erect \$16,500 residence, Country Club Heights; brick veneer; Loneragan Realty Co., Contr.

La., New Orleans—Citizens Homestead Assn. erect \$17,500 two-story dwelling, State and Liberty Sts.; Paul G. Charbonnet, Contr., 830 Union St.

La., New Orleans—Arthur Williams, Contr., 4301 Holly Grove St., erect single dwelling, Mandeville St. near Sere St.

La., New Orleans—S. Saputo, 3238 Bien-ville St., erect raised residence, Canal Blvd. near Clare St.; Saputo & Governali, Contrs., 601 S. Claiborne St.

La., New Orleans—St. Leo R. D. Church erect \$10,000 raised sisters' residence, St. Bernard Ave. near Abundance St.; 2 stories, 38.6x67.6 ft., tile roof; Paul G. Charbonnet, Contr., 836 Union St.

La., New Orleans—Mr. Callaghan erect double residence, Valence St. near Chestnut St.; Albert Boucree, Contr., 3711 S. Galvez St.

La., New Orleans—Mrs. Theo. Melder, 2221 New Orleans St., erect double residence, New Orleans St. near Miro St.

La., New Orleans—Geo. J. Lupo, Contr., 3419 Milan St., erect double dwelling, Laurel and Burdette Sts.

La., Shreveport—B. F. O'Neal, 200 Milam St., and H. B. Lanier, erect \$14,500 residence and 2-car garage, South Highland Park; brick veneer, 2 stories; A. F. Eggleston, 2912 De Soto St., and R. C. Curns, Contrs.

La., Shreveport—Mrs. Lucille M. McGraw erect \$10,000 residence, 527 Stoner Ave.; 14 rooms; F. E. Griffin, Contr., 3010 Creswell St.

La., Shreveport—Perot & Allison, Contrs., erect \$18,000 dwelling, Elmwood Ave. and Wilder Place.

Md., Baltimore—Realty Developers, Inc., erecting 3 cottages, Liberty Road, Lochearn; French, Spanish and Norman types; brick and frame, 2 stories, 30x22 ft., 30x28 ft., and 25x28 ft., hardwood floors, stone foundations, slate roof; \$18,000; L. A. Menefee, Archt., both 9 W. Mt. Royal Ave. See Want Section—Building Material and Equipment.

Miss., Brookhaven—M. R. Leary, 220 W. Congress St., completed foundation for 1-story, 60x60-ft. residence, Congress and Church Sts. Address R. K. Newton. See Want Section—Machinery and Supplies; Building Material and Equipment.

Miss., Jackson—N. D. Thomas, Longino St., erect \$17,000 brick veneer residence; 1 story and basement, 37x66 ft., hardwood floors, tile baths, furnace; C. H. Lindsley, Archt., Lamar Life Bldg.; J. W. Garrett, Contr., Lampton Bldg.

Mo., Clayton—M. Alers, 900 Halls Ferry Rd., erect \$10,000 residence, Giese Contr.; brick, 32x38 ft.; Geo. N. Knapp, Contr., 3701 Sylvan Place.

Mo., Columbia—C. B. Rollins, Jr., Natl. Bk. Bldg., erect \$50,000 residence; brick, 2½ stories and basement, 105x45 ft., conc. foundation, hardwood floors, tile baths, slate roof, vapor heat; Study & Farrar, Archts., Arcade Bldg., St. Louis; owner builds.

Mo., Jennings, St. Louis—Gerling Realty & Building Co., care C. J. Gerling, 1508 Klen-len Ave., erect 25 dwellings, Strathmore Ave., Mayfair Park; brick, 1 story and basement, 25x30 ft., conc. foundations, hardwood floors, tile baths, comp. shingle roofs, warm air heat; owner builds.

Mo., Kirkwood, St. Louis—E. A. Livingston, 3515 Hartford St., erect \$15,000 brick residence, Osage Hills; 1½ stories and basement, 28x30 ft.; hardwood floors, comp. roof, tile bath, hot water heat; Jesse L. Bowling & Isadore Shank, Inc., Archts., Arcade Bldg.; owner builds.

Mo., Kirkwood—Wm. Hoch, Geyer Rd., erect \$10,000 brick residence, Peeke St. and Clay Ave.; 1 story and basement, 30x47 ft., hardwood floors, tile bath, comp. roof, hot water heat; Walter Hoch, Contr., 519 N. Harrison Ave.

Mo., St. Louis—C. A. Federer erect 2 brick dwellings, 6426-32 Woodland Court; 1 story, 34x41 ft., slate roofs, hot air heat; \$10,000; A. F. Stauder, Archt., 6032 S. Kingshighway; V. R. Stamm, Contr.

Mo., St. Louis—R. B. Lynn erect 4 dwellings, 3934-38-40-54 Bingham Court; brick, 1 story, hot air heat; \$12,000; Northwest Realty Co., Contr., both 2921 N. Grand Ave.

Mo., St. Louis—A. J. Wiesehan, 126 N. Woodlawn Ave., Kirkwood, erect \$20,000 residence, Chermonth Lane; brick, 2 stories and basement, 73x35 ft., hardwood floors, conc. foundation, tile bath, hot water heat; Dan H. Mullen, Jr., Archt., 18 N. Meramec St.; Jack Steuby, Contr., 473 S. Van Buren Ave., Kirkwood.

Mo., St. Louis—C. Magel, 2714A Arsenal St., erect \$10,000 residence, 5410 Grace Ave.; 1 story and basement, 28x45 ft., tile bath, hardwood floors, slate roof, hot air heat; Adolph F. Stauder, Archt., 6032 S. Kingshighway; J. P. Fendler, Contr., 5615 Lisette Ave.

Mo., St. Louis—J. C. Greulich, 3111 N. Grand Blvd., has contract for 3 dwellings, 8611-19-23 Park Lane; brick, 1 story and basement, 27x41 ft., hardwood floors, tile bath, asphalt shingle roof, hot air heat; \$15,000; Manske & Bartling, Archts., 410 N. Euclid Ave.

Mo., St. Louis—Gilbert Sanders, 4538A Virginia Ave., erect \$10,000 brick residence; 1 story and basement, 26x37 ft., hardwood floors, tile bath, asphalt shingle roof, hot air heat; O. J. Popp, Archt., Arcade Bldg.; owner builds.

Mo., St. Louis—V. A. Sheridan, 3924 Botanical Ave., erect \$10,000 brick residence, 3965 Bowens St.; 2 stories and basement, 27x45 ft., stone foundation, hardwood floors, tile bath, comp. shingle roof, hot air heat; J. M. Leopold & Sons, Contrs., 7300 Clayton Ave.

Mo., St. Louis—P. Geist, 5239 Nottingham Ave., erect 4 frame dwelling, 4645-57 Stef-fens Ave.; 1 story and basement, 24x32 ft., hardwood floors, tile baths, conc. foundations, hot air heat; \$16,000; owner builds.

Mo., St. Louis—J. C. Diesem, 5200 Lillian St., erect 2 dwellings, 1649-52 Theobald St.; 1 story, 26x45 ft., comp. shingle roofs, hot air heat; \$10,000; Kilgen & Gray, Archts., Contrs., 512 Wainwright St.

Mo., St. Louis—David M. Flournoy, 107 Glen Rd., enlarging residence, Glen Rd., Webster Park; Harris Armstrong, Archt.

Mo., University City, St. Louis—Rudolph Pertiel, Title Guar. Bldg., erect \$15,000 residence, 7210 Princeton Ave.; brick, 2 stories and basement, 31x31 ft., hardwood floors, tile roof and bath, hot water heat; Nolte & Numan, Archts., Fullerton Bldg.; Rafferty Real Estate Co., Contr., 615 Chestnut St.

N. C., Charlotte—G. W. Brice, 2010 E. Ninth St., let contract to Graham Bros. for \$10,000 residence, 2121 Sherwood Ave.; 2 stories. 8-23

N. C., Greensboro—John J. Ayres, 408 Arlington St., erect brick veneer residence, W. Market and Chapman Sts.; 2 stories, 12 rooms; L. A. Jackson, Contr., Liggett Bldg.

N. C., Greensboro—Chas. T. Le Viness erect 26 dwellings, Latham Park; brick, 1½ stories, 32x50 ft., 7 rooms, tile baths, hardwood floors, steam heat, 2-car garages; \$182,000; Geo. Watts Carr, Archt., Durham; J. C. Hurley, Contr., Troy.

Okla., Chickasha—J. F. Aust let contract at \$26,000 to B. B. Benson for brick residence; 2 stories, 30x63 ft., hardwood floors, conc. foundation, steam heat; E. H. Eads & Co., Archts. See Want Section—Building Material and Equipment. 9-6

Okla., Oklahoma City—Sam. M. Cowen, Fidelity Natl. Bk. Bldg., let contract for \$25,000 residence to W. D. Palmer, 1127 E. 18th St.; brick veneer, 2 stories, hardwood floors and finish, comp. shingle roof; W. J. Laws & Co., Archts., First Natl. Bk. Bldg.

S. C., Aiken—Wilbur J. Driver completed basement for \$17,800 frame residence; 2 stories, comp. roof; Scroggs & Ewing, Archts., S. F. C. Bldg., Augusta, Ga.; Becchetti-Schroder Construction Co., Contr., Aiken. See Want Section—Building Material and Equipment. 9-6

Tenn., Memphis—J. L. Igon, 1910 Madison Ave., erect \$10,000 residence, 700 East Drive; brick veneer, 2 stories and basement, 48x32 ft., oak floors, comp. shingle roofs, hot water heat; J. B. Sturgis, Contr., 764 N. Belvedere St.

Tenn., Nashville—R. L. Middleton, May-flower Apt., let contract to Thos. Collier, 1900 Electric Ave., for stone and stucco residence; 2 stories and basement, 32x45 ft.; John H. Parmalee, Archt., American Tr. Bldg. 8-9

Tex., Brownsville—Fausto Yturria erect \$10,000 residence; hollow tile and stucco, 1 story, 10 rooms, conc. foundation, hardwood and tile floors, tile roof; E. G. Holliday, Archt.-Contr.

Tex., Corpus Christi—W. W. Saunders erect \$15,000 to \$20,000 residence, Shell Rd.; brick veneer, 2 stories; Hardy & Curran, Archts., Nixon Bldg.; J. W. Bermingham, Contr., Amicable Bldg.

Tex., Houston—Dr. A. T. Talley, Medical Arts Bldg., completed foundation for \$18,500 residence, 2128 Southmore Blvd.; brick veneer, 2 stories, 45x55 ft., oak and tile floors, asbestos roof; Sam H. Dixon, Jr., Archt., Elect. Bldg.; W. J. Goggan, Contr., 1106 Banks St. 8-30

Tex., Houston—J. L. Worsham, Bankers Mortgage Bldg., completed foundation of \$25,000 residence; brick veneer, 2½ stories, oak and tile floors, asbestos slate roof; C. A. Dieman, Archt., 3901 Main Blvd.; B. W. Holtz, Contr., 3903 Roseland St. 9-6

Tex., McAllen—Judge L. T. Hoyt let contract for \$15,000 residence to E. A. Bowman, Harlingen; 2 stories, frame and stucco.

Tex., Pearsall—John E. Field erecting residence; W. J. A. Cronin, Contr. 9-6

Tex., Port Arthur—W. Y. Craig, Adams Bldg., erect 3 dwellings in addition to 4 under construction.

Tex., San Antonio—B. W. Luckenbach, 817 Fulton St., let contract to Wilkens & Rux for \$10,000 residence, Deer Oak Estates; frame, 1 and 2 stories; Harvey P. Smith, Archt., Natl. Bank of Commerce Bldg. 7-5

Tex., San Antonio—A. Y. Hayes, Contr., 150 Argyle St., considers erecting country residence, Wurzbach Road near Vance-Jackson Road.

Tex., San Antonio—Robt. McCarroug, 201 Lullwood Blvd., erect 2 stucco dwellings, 323-27 Lullwood; 6 rooms; \$10,000; owner builds.

Tex., San Antonio—Albert Prucha erect frame and stucco residence, 116 Hollywood Blvd.; 2 stories, 7 rooms, tile roof, gas steam radiators; John M. Marriott, Archt., Frost Natl. Bank Bldg.; J. W. Yarbrough, Contr., 636 Santa Monica St.

Tex., San Antonio—Mrs. J. O. Lipscomb, care Adams & Adams, Archts., Real Est. Bldg., let contract at \$26,975 to H. A. Miller, Bldrs. Exch. Bldg., for residence, Terrell Hills; Spanish type, stucco, 2 stories, 10 rooms, 3 baths; Adams & Adams, Archts., Real Est. Bldg. 8-23

Government and State

Ky., Louisville—Contracting Quartermaster, Q. M. Depot, Jeffersonville, Ind., let contract at \$9964 to Eustace L. Williams, Anchorage, Ky., for stone wall, Zachary Taylor National Cemetery. 7-5

N. C., Raleigh—Heater Well Drilling Co., 118 E. Martin St., has contract for pumping equipment, North Carolina State Fair; Atwood & Nash, Inc., Archts.-Engrs., Chapel Hill. 6-21

Tex., Houston—Treasury Dept., Jas. A. Wetmore, Act. Supv. Archt., Washington, D. C., let contract to Pierce & Regnell to remodel and trim interior of Federal Bldg.

Tex., Waco—State Bd. of Control, R. B. Walthall, Chmn., let contract for \$39,000 fireproof dormitory, State Home for Dependent and Neglected Children, to S. B. Swigert Co., 324 N. Tenth St.; 2 stories; Milton W. Scott & Co., Archts., 412½ Franklin Ave. 8-23

Hospitals, Sanitariums, Etc.

La., Monroe—St. Francis Sanitarium let contract to Geo. P. Love, Monroe, for \$100,000 rein. conc. and brick addition; fireproof, 3 stories, 60 beds, rein. conc. foundation, asbestos shingle roof, steel sash, struct. steel and iron work, metal windows, elect. signal system, elect. passenger elevator; Wm. T. Nolan, Archt., Canal Bank Bldg., New Orleans; plumbing and heating, Wm. J. Riley, 411 Layton St., Monroe, \$13,300. 8-16

Mo., St. Louis—Board of Public Service, J. L. Rilliet, Jr., City Engr., erect \$55,000 addition to power plant, Robert Koch Hospital; brick, 1 story; Voelpel Building Co., Contr., 1113 Sidney St.

Tex., Brady—Brady Sanitarium, Dr. McCall and Dr. Anderson, owners, erect 113x32-ft. addition; H. H. Richards, Contr.

Tex., Sherman—Dr. D. M. Hestand and John L. Boggs let contract to Max Gibbs Sons & Co., for \$45,000 hospital, W. Pecan St. 8-30

Hotels and Apartments

Ala., Anniston—Anniston Apartment Co. being formed in Birmingham; to erect \$50,000, 12-apartment, 14th St. and Leighton Ave.; P. H. Vickrey, Contr.

Ala., Birmingham—F. D. Rimer, 4301 Avenue Q, erect 2-story, 40x80 ft., brick veneer apartment, S. 11th Way and 10th Ave.; comp. roof, steam heat; Edw. D. Slater, Archt., Martin Bldg.; owner builds.

Ga., Atlanta—C. W. Crary, 108 North Ave., N. E., started excavation for \$15,000, 2-story and basement, brick veneer apartment, 271 Jackson St., N. E.; comp. roof, hardwood floors, steam heat; day labor.

Ga., Atlanta—J. M. Sanders, Box 2081, erect \$12,000, 4-unit apartment, 880-82 Parkway Drive, N. E.; comp. roof, hardwood floors, hot air heat; day labor.

Ga., Atlanta—R. U. Kitchens, 959 Forrest Road, N. E., started excavation for \$150,000, 2-story and basement, brick veneer and stucco apartment, 919 Forrest Road, N. E.; 28 units, comp. roof, hardwood and conc. floors, steam heat, 28 units; owner, Archt.-Contr.

Ga., Savannah—A. S. Rosenhoff, 503 W. Broad St., started work on brick veneer, 24-apartment, Victory Drive and Cedar St.; hardwood floors, brick foundation, steam heat; I. Spann, Archt. See Want Section—Building Material and Equipment. 8-30

Mo., Joplin—R. W. Cole, 629 Jaccard Pl., and H. M. Bennett, 616 Islington Pl., let contract to Manhattan Construction Co., Pioneer Tr. Bldg., Kansas City, for 6-story, 200x125-ft., English type, 48-unit Colben Apartments, Fifth St. and Moffett Ave.

Mo., Kansas City—Wm. D. Snyder, reported, erect 10-story apartment, 200 E. Armour Blvd.; owner builds.

Mo., Kansas City—McCanles Building Co., erect apartment, Armour and 35th Sts.; owner builds.

Mo., St. Louis—G. W. Sturmfels, 4529 Tower Grove St., erect four 2-story, 25x44 ft., brick tenements, 3614-24 Marceline Terrace; \$20,000; asphalt shingle roofs, steam heat; owner, Archt.-Bldr.

Mo., St. Louis—A. E. Wilkinson, care W. H. & N. Cunliff Co., Bldr., 410 N. Euclid Ave., erect \$10,000, 2-story, 24x50 ft., brick tenement, 3404 Wyoming St.; Trueblood & Graf, Archts., Chemical Bldg.

Mo., St. Louis—A. Brunner, 4644 San Francisco St., erect two 2-story, 19x40 ft., brick tenements, 4518-20 Emerson St.; \$10,000; tar and gravel roof, hot air heat; H. C. Simon & Co., Archts.-Contrs., 4155 N. Newstead St.

Mo., St. Louis—S. Rollins erect \$15,000, 2-story, 55x84 ft., brick tenement, 1900 Goode St.; asphalt roof, steam heat; Sachhar & Cantor, Contrs., both 4201 Easton St.

Mo., St. Louis—L. Parrett erect \$10,000, 56x34 ft., brick tenement, 3810-12 Dunnica St.; comp. roof, hot air heat; Sanders Bros., Bldrs., both 3901 Wilmington St.

Tenn., Memphis—Chas. A. Lewis, 645 S. Front St., has permit for \$15,000, brick veneer 20-room apartment, 142 Clark Place, for L. E. Finley.

Tenn., Memphis—Graham Apartments, care Fred Callihan, Fidelity Bk. Bldg., remodel 6-story and basement, brick apartment, 1042 Madison Ave.; \$50,000; day labor.

Tenn., Memphis—J. D. Scott, 1463 S. Willett St., soon start work on \$15,000, 2-story and basement, brick veneer, 4-unit apartment, Edgewood Manor sub-division; oak floors, comp. shingle roof, stone trim, steam heat; owner, Archt.-Bldr.

Tex., Beaumont—Following additional sub-contracts awarded on \$1,000,000, 21-story Edson Hotel: Petroleum Iron Works, 1200 tons steel; Beaumont Building Material Co., Pine and Magazine Sts., furnish other metal; Gulf Manufacturing and Lumber Co., Gulf and North Sts., 1,000,000 brick, also sheet piling; E. L. Wilson Hardware Co., 321 Pearl St., contract for pipe; Christy-Dolph Construction Co., Gen. Contr., Construction Industries Bldg., Dallas; T. W. Steinman & Sons, Archts., 411 San Jacinto Life Bldg., Beaumont; Hedrick & Gottlieb, Asso. Archts., Post-Dispatch Bldg., Houston. 8-23

Tex., Brownsville—D. C. Green erect \$20,000, 2-story, hollow tile and stucco, 8-apartment; hardwood and tile floors, tile and comp. roof; E. G. Holliday, Archt.-Contr.

Tex., Edcouch—A. P. Peters, of Edcouch Machine and Electric Co., erect 10-room apartment; Stone & Phillips, Contr., Weslaco.

Tex., Fort Worth—C. A. O'Keefe, 529 S. Summit St., let contract to Bellows-Maclay Construction Co., Fort Worth, and Construction Industries Bldg., Dallas, for superstructure of \$1,000,000, 23-story, 100x100 ft., brick, terra cotta, rein. conc. Blue Bonnett Hotel, 5th and Main Sts.; contract includes plumbing, heating, ventilating, elevators, wiring, electrical fixtures and other items; Bellows-Maclay Construction Co. also has contract for foundation and retaining walls; work to start Oct. 1; 300 guest rooms with tub and shower bath, ceiling fans, circulating ice water, American type of architecture, first story to be faced with academy Minnesota granite, second floor of ornamental terra cotta, shaft of gray brick, lobby, dining room, mezzanine and banquet hall will be finished in Italian Levanto marble, all woodwork walnut; Mauran, Russell & Crowell, Archts., Chemical Bldg., St. Louis; Elmer G. Withers, Asso. Archt., 401 Holmes Bldg., Fort Worth; W. W. Huff, Struct. Engr., 1211 Fullerton Bldg., St. Louis. 8-23

Tex., Laredo—B. Lecht erecting \$18,000, 2-story, brick 8-apartment on Guadalupe St.

Tex., Llano—Llano Community Co., T. Y. Hill, Pres., let contract at \$51,583 to J. M. Morgan Construction Co., Big Springs, for

3-story, 89x71-ft., brick, rein. conc., fireproof hotel; tile, terrazzo and cement floors; Page Bros., Archts., Austin Natl. Bk. Bldg., Austin, and Brownsville; Gardner & Howe, Struc. Engrs., 1429 Kirby Bldg., Dallas. 9-6

Tex., San Angelo—Mrs. Sallie Lochaby let contract to Eastman & Taylor for \$50,000, 45-room hotel, 115 S. Randolph St.; John G. Becker, Archt.

Miscellaneous

Ark., Hot Springs—Interstate Orphanage, care Tom K. Martin, Pres., Kiwanis Club, let contract to Robert Higgins, 135 Exchange St., for \$50,000 stucco and brick orphanage; Thompson, Sanders & Ginocchio, Archts., Hall Bldg., Little Rock. 5-31

Ark., Pine Bluff—Arkansas Aircraft Co., care L. Garrett, Arkansas Power & Light Co., started work on \$40,000, 2-story, 50x120 ft., frame and stucco clubhouse, Toney Field; Quinn & Quinn, Contrs.; Mitchell Seligman, Archt., 206 Pine St. 4-19

Fla., Tampa—Stella Italian Club, 2112 Main St., let contract to Capello & Delgado for \$85,000, 2-story, 95x105-ft., stone and brick, Venetian-type clubhouse, Howard Ave. and Spruce St.; first floor for cafe, club office and theater; ballroom, women's parlors on second floor; Fred J. James, Archt.

Mo., Richmond Heights, Sta. St. Louis—Following sub-contracts awarded on \$750,000 mother house and novitiate for Sisters of St. Mary, Clayton road and Bellevue Ave., for which Wimmer Contracting Co., 916 Victoria Bldg., St. Louis, has general contract: Excavating and grading, Andrew Schaefer Supply & Wrecking Co., Clarence and Natural Bridge Road; sand, gravel and cement, Dalton Brothers, 4016 Cottage Ave.; struct. steel, Atlas Iron Works, Geraldine and Slevin Aves.; terra cotta, Northwestern Terra Cotta Co., 4417 Oleatha Ave.; rein. steel, Concrete Engineering Co., 317 N. 11th, all St. Louis; millwork, B. Goedde & Co., 2040 Illinois Ave.; sheet metal work, Symonds Sheet Metal & Fire Door Co., 401 N. 26th St., both East St. Louis, Ill.; Makato stone, Breen Stone & Marble Co., Kasota, Minn.; Browne windows, Richey, Browne & Donald, 2101 Flushing Ave., Maspeth, New York; plans by O'Meara & Hills, Arcade Bldg., St. Louis, call for 3 stories, 230x54 ft., with 4 wings approx. 33x70 ft. and chapel 130x40 ft., rein. conc. and brick, yellow Mankato stone and terra cotta, terrazzo floors, tile roof. 9-6

Va., Lynchburg—Oakwood Country Club, Geo. C. Walker, Pres., Rivermont Ave., let contract at \$19,700 to Lewis-Walker Construction Co. for rebuilding partially burned structure. 8-16

Railway Stations, Sheds, Etc.

Mo., Rolla — St. Louis and San Francisco Rwy. Co., F. G. Jonah, Ch. Engr., Frisco Bldg., St. Louis, let contract to Grant Wyatt, Century Bldg., St. Louis, for 1-story, 206x27 ft., brick and stucco freight and passenger station. 5-24

Schools

Ark., Arkadelphia—Trustees, School Dist. No. 1, let contract at \$15,150 to Newberry & O'Bough for 1-story, 111.8x98.4 ft., brick school; Johns-Manville asbestos roof, wood floors.

Ark., Centerville — Smith Hughes School started work on agricultural building.

D. C., Washington—District Commrs., 509 District Bldg., let contract at \$494,850 to George Hyman Construction Co., 1010 Vermont Ave., N. W., for E. A. Paul Junior High School, 8th, 9th, Peabody, Nicholson and Concord St., N. W.; 4 stories, 40 classrooms; A. L. Harris, Municipal Archt. 8-30

D. C., Washington—District Commrs., Room 509 District Bldg., let contract at \$459,687 to North-Eastern Construction Co., Lexington Bldg., Baltimore, for John Quincy Adams School, 19th St. and Columbia Rd., N. W.; 2 stories, 24 rooms, cafeteria and combination gymnasium-assembly hall; brick, stone finish, slate roof; A. L. Harris, Archt., Municipal Archt. 9-6

Fla., Kendall—Dade County Bd. of Public Instruction, Miami, let contract at \$22,140 to Fred Howland, 1472 N. W. 14th St., Miami, for 2-story, 95x60 ft., hollow tile, fireproof school; E. L. Robertson, Archt., 76 N. E. 48th St., Miami. 9-6

Ky., Frankfort—Bd. of Education, L. F. Johnson, Chmn., Bldg. Comm., let contract to Goin & Wright for \$70,000, 2-story, 180x

48-ft., brick, rein. conc. school; asphalt roof, conc. and wood floors; Leo L. Oberwarth & Son, Archts. See Want Section—Building Material and Equipment. 8-30

La., Lake Charles—Calcasieu Parish School Bd. let contract at \$67,535 to P. Olivier & Sons, 114 Bilbo St., for 2-story, rein. conc., brick, stone trim school for L'Ange Consol. School Dist., south of Lake Charles; comp. roof, conc. and wood floors; Livesay & Wiedemann, Archts., Lake Charles, and San Jacinto Life Bldg., Beaumont, Tex. See Want Section—Building Material and Equipment. 8-9

La., Mansura—Avoyelles Parish School Bd., Marksville, let contract at \$65,511 to W. J. Quick, Swift Bldg., Lake Charles, for 2-story, rein. conc., brick and stone trim high school; comp. and slate roof, conc., wood and tile floors; plumbing, heating and lighting, L. M. Harper, \$5500, Pineville; Wm. T. Nolan, Archt.-Engr., Canal Bank Bldg., New Orleans. 8-16

La., New Orleans—New Orleans Female Dominican College let contract at \$173,421 to Alvin M. Fromherz, Queen & Crescent Bldg., for 4-story, 40x160 ft., rein. conc., brick and stone trim dormitory on St. Charles Ave., between Broadway and Pine Sts.; comp. roof, struct. steel and iron; A. S. Montz, Archt., 740 Poydras St. 8-16

Miss., Liberty—Liberty Consolidated School Dist. Trustees let contract at \$46,767 to G. R. Burt, Columbia, for 1½-story, rein. conc., brick, stone trim school; built-up comp. roof, struc. steel and iron work; J. M. Spain, Archt., Millsaps Bldg., Jackson. 8-23

Mo., Warrensburg—Central State Teachers' College pouring conc. for steel frames of stadium. 8-23

Okl., Stillwater—Oklahoma Agricultural & Mechanical College repairing Industrial Engineering Building damaged by fire at loss \$18,000; Tankersley Construction Co., Contr., Trades Natl. Bk. Bldg., Oklahoma City. 8-23

S. C., Conway—Trustees of Burroughs High School Dist. No. 1 let contract at \$82,000 to Southern Builders, Inc., Florence, for 2-story and basement, 109x67-ft., brick, stone trim high school; 20 classrooms, built-up roof; plumbing and heating, \$11,347, Bryce Plumbing & Heating Co.; wiring, W. J. Fortner; Wilkins & Hopkins, F. & M. Bk. Bldg., all Florence. 8-23

Tenn., Knoxville—University of Tennessee, T. D. Morris, Sec.-Treas., let contract at \$90,556 to A. R. McMurry Contracting Co., 502 Island Home Ave., for \$125,000 chemistry building; Barber & McMurry, Archts., General Bldg. 8-10

Tenn., Benton—Polk County Bd. of Education let contract at \$8955 to A. J. Peace for three 2-room schools. 8-23

Tenn., Jackson—Bd. of Education let contract to W. C. Owen & Co., Dermon Bldg., Memphis, for \$225,000, 2-story and basement, 250x140 ft., brick, conc., fireproof high school on Allen Ave.; conc. and wood floors, stone trim, steam heat; R. A. Heavner, Archt., Box 375. 8-23

Tex., Beaumont—Bd. of Education, I. W. Lawhon, Pres., let contract at \$54,063 to Chas. F. Law, Perlstein Bldg., for addition to Chariton Pollard School; brick and conc.; Livesay & Wiedemann, Archts., San Jacinto Life Bldg. 8-30

Tex., Bend—School Bd. let contract to Brooks & Drew, Lometa, for \$14,000 brick school; Barnes Lumber Co., Lometa, furnish lumber. 7-12

Tex., Carrollton—Bd. of School Trustees let contract to Andrew Jackson for 16x20-ft. 4-room addition to high school. 8-23

Tex., Houston—Walcott & Maisey, West Bldg., have contract for metal doors in 21-room addition to Stonewall Jackson Junior High School for which Bace Construction Co. has general contract at \$87,100; also for metal doors in 36-room addition to Sidney Lanier Junior High School for which West & Jensen, Second Natl. Bk. Bldg., have general contract at \$138,250; Vermont Marble Co. has contract for marble and tile work for former school. 9-6

Tex., Houston—Following sub-contracts awarded on Albert Sidney Johnston High School for which W. E. Woodruff, 804 Polk St., has general contract at \$77,213: Misc. iron and steel, Houston Structural Steel Co., 3910 Washington St.; marble and tile, Vermont Marble Co., Electric Bldg.; plumbing and heating, Barber Plumbing Co., 1419 Paige St.; lathing and plastering, W. E. Humphreyville Co., Second Natl. Bank Bldg. 8-30

Tex., Houston—Bedford-Carhage Stone Corp., Runnels and Belt Sts., has contract for Lueder's stone on 27-room addition to James S. Hogg School for which E. G. Maclay, Post-Dispatch Bldg., has general

contract at \$112,500; B. P. Briscoe, Archt., Second Natl. Bank Bldg. 8-30

Tex., Houston—Houston Ind. School Dist. Bd. of Education, H. L. Mills, Bus. Mgr., Box 1226, let contract at \$208,000 to C. W. Ennis for Chevy Chase, Studewood and Forest Hill elementary schools; Harry D. Payne, Archt., Kirby Bldg. 8-30

Tex., Houston—Alamo Iron Works, Spring and Taylor Sts., has contract for struct., misc. and rein. steel on 29-room John H. Reagan Senior School for which Carl Curtis, 2813 Washington St., has general contract at \$211,000; Barber Plumbing Co., 1419 Paige St., plumbing for John H. Reagan Senior High and plumbing and heating in Park Elementary and Park Junior High Schools. 8-30

Tex., Huntsville—Sam Houston State Teachers College let contract at \$159,990 to Jopling Construction Co., 428-29 Fidelity Union Bldg., Dallas, for 3-story, brick, tile, rein. conc. and stone, fireproof library; plumbing and heating, \$9192, L. R. Snyder, Santa Fe Bldg., Dallas; electric wiring, \$8450, Farden Electric and Contracting Co., 111 Main St., Houston; W. E. Ketchum, Archt., Pope Bldg., Austin. 8-23

Tex., Pearsall—School Bd., E. M. Howard, member, let contract at \$53,785 to V. L. Rasmussen, 500 E. Cincinnati St., San Antonio, for 1 and 2-story, 225x140 ft., T-shape, brick and hollow tile high school; cement and wood floors, comp. roof; Will N. Noonan Co., Archt., Bldrs. Exchange Bldg., San Antonio. 8-16

Tex., San Antonio—School Bd., Frank Haines, Pres., let contract at \$26,209 to Mitchell Construction Co., Builders Exchange Bldg., for following schools: McKinley, one room; Agnes Cotton, David Barclay, Abraham S. Grant, Frank Johnson, Beacon Hill, all 2 room structures; frame; Phelps & De-wees, Archts., Gunter Bldg. 8-30

Va., University—University of Virginia let contract at \$525,000 to Harwood Construction Co., Law Bldg., Newport News, for academic building and 8 dormitories; former to include 12 offices for professors, seminary rooms, classrooms to accommodate 950 students; latter 3 stories, cottage design, connected by arcade; John K. Peebles, of Peebles & Ferguson, Law Bldg., Norfolk; Walter D. Blair, 154 E. 61st St., New York; R. E. Taylor, of Fisher & Taylor, Union Tr. Bldg., Baltimore, Asso. Archts. 8-30

W. Va., Hollidays Cove—Cross Creek Dist. Bd. of Education, J. E. LeLancon, Sec., Follansbee, let contract at \$98,700 to E. T. Jacobs, Coshocton, Ohio, for \$125,000, 2-story and basement, brick, steel and hollow tile, 14-room school; Peterson & Clarke, Archt., Steubenville, Ohio. 8-23

Stores

Ala., Ensley—Mann Bros., 2519 N. 10th Ave., Birmingham, have contract to remodel building, Avenue D and 19th St., to be leased to Goldstein & Cohen, 404 19th St., and B. B. Burnham, 1921 Comer Bldg., Birmingham. 8-23

Ala., Montgomery—Wescott & Wescott let contract to Hodgson & Jones, N. Perry St., for \$40,000, 1-story, brick store on Lee St.; Okel & Cooper, Archts., Bell Bldg. 8-23

Ark., Hot Springs—H. E. Balesh, 362 Central St., let contract at \$23,000 to J. P. Jones for 3-story and basement, brick and stone store on Central Ave.; comp. roof, conc. and wood floors; E. J. Stern, Archt., A. O. U. W. Bldg., Little Rock. 8-23

Fla., Tampa—R. W. Miller, Miller-Lenfesty Supply Co., N. E. 27th St., erecting \$10,000 second-story addition to one-story brick building, Morgan and Water Sts.; Logan Bros., Contrs. 9-6

La., Baton Rouge—A. B. McArthur let contract to Burkes Co. for 2-story, brick, conc. and steel drug store and apartment; Robt. H. Goodman, Archt., 330 St. Joseph St. 8-23

Md., Frederick—McCrory Stores Corp., 1107 Broadway, New York, let contract to J. I. Vandergrift, 22 Knox St., Cumberland, for 1-story, 30x200 ft., cast stone store on W. Patrick St. to join with McCrory store on N. Market St.; upon completion of building will raze N. Market St. store and erect new building on site. 8-23

Mo., Ashland—Smith-Sloan Mercantile Co. plans to erect store and theater to replace burned structure; John W. Case, Jefferson City, probable contr. 5-31

Mo., Kansas City—Rockhill Realty Co. started work on foundation for \$60,000, one-story, 3-story building, 4620-26 Troost Ave., to be leased to F. W. Woolworth Co., 1109 Main St., Bunting Hardware and Machinery Co., 810 Walnut St., and Bird Grocery Stores,

Inc., 2101 Broadway; C. H. Swanson, Archt., 1128 Orville St. 8-23

N. C., Durham—N. D. & C. T. Holland, 901 Chapel Hill St., remodeling 3-story, 60x122 ft., brick furniture store, Holland and Foster Sts.; \$20,000, pine floors; Thompson & Canady, Contrs. See Want Section—Building Material and Equipment. 8-16

S. C., Spartanburg—Following sub-contractors awarded on \$150,000, 3-story and basement, 55x178-ft. brick store for which G. A. Miller, Inc., Petteway Bldg., Tampa, Fla., has general contract: Roofing, sheet metal, metal ceiling and ventilating, R. O. Pickens, 105 Market St.; tile, terrazzo and marble, Tezza Tile Co., 116 S. Church St.; electric, Huntington & Guerry, Inc., 146 E. Main St., all Spartanburg; struc. steel and erection, Greenville Steel & Foundry Co., 120 Markley St., Greenville; cast iron columns, misc. and ornamental iron work, Price-Evans Foundry Corp., Anderson Ave., Chattanooga, Tenn.; metal windows and doors, American Sheet Metal Works, 331 N. Alexander St., New Orleans, La.; maple flooring, Geo. H. Storm & Co., Park Ave. and 135th St., New York City. 8-30

S. C., Sumter—Mrs. G. A. Lemmon let contract at \$43,300 to W. A. McCrary & Co., Columbia, for 3-story, 65x100 ft., brick and tile department store on N. Main St. to be leased to Montgomery Ward & Co., Chicago; hardwood floors, electric elevator, steam heat; Lafaye & Lafaye, Archts., 1224 Sumter St., Columbia. 8-23

Tex., Houston—Witte & Fleming, Contrs., Kirby Bldg., soon start work on \$25,000, 50x100 ft., brick and hollow tile store and apartment, 5200 Harrisburg Blvd., to be leased to Nick Fatta; 5 stores on ground floor; Chas. A. Dieman, Archt., 1004 Truxillo St. 8-23

Tex., Houston—M. C. Parker, 3302 Navigation Blvd., started work on \$20,000, 1-story, hollow tile and stucco store, 2118-20 Cleburne St. 8-23

Tex., Pampa—A. A. Gordon let contract for 50x75-ft. brick business building. 8-23

Tex., San Augustine—R. C. Downs let contract to C. E. Barron, Center, for three 1-story brick buildings. 8-23

Va., Richmond—Chas. H. Phillips & Co., State and City Bank Bldg., started work on 3 stores on Meadowbridge Road near Brooklyn and Park Blvd. 8-23

W. Va., Clarksburg—S. S. Kresge Co., R. E. Ramswell, Detroit, let contract at \$45,935 to C. W. & G. W. Taylor, Zanesville, O., for 2-story, 65x125-ft. brick store, 324-26 W. Main St. 8-23

Theaters

Tex., Dallas—Eastern capitalists, F. W. Day, 4841 Tremont St., representative, started work on theater and entertainment hall on Fort Worth Pike, home of Bagdad Supper Club; Moorish design, 2 stories, 156x80 ft., stucco; W. Scott Dunne, Archt., Melba Bldg.; E. C. Smith & Son, Asso. Archts., Construction Industries Bldg.; R. O. Jameson, S. W. Life Bldg., Engr. in charge of construction. 8-23

Warehouses

Ala., Birmingham—Geo. F. Wheelock, 2313 S. 5th Ave., let contract to M. C. Banks, 2501 N. First Ave., for 2-story, 50x120 ft., brick, rein. conc. warehouse and office, Avenue B, between 30th and 31st Sts.; H. B. Wheelock, Archt., Steiner Bldg. 8-23

Tex., Waller—Nalgella Brothers started work on 36x75-ft., corrugated iron and brick warehouse on Main St. 8-23

New Officers of Commonwealth Power Corporation.

B. C. Cobb, president of the Tennessee Electric Power Company, was elected president of the Commonwealth Power Corporation at the organization meeting of the board of directors in New York last week. Mr. Cobb succeeds George E. Hardy, who was elected to the newly created office of chairman of the board of directors. As vice-president of the corporation since its organization, and the operative executive, Mr. Cobb has been largely responsible for the successful growth of the Commonwealth Power Corporation system of properties in Tennessee, Ohio, Indiana, Illinois and Michigan. T. A. Kinney, vice-president of the Tennessee Electric Power Company, was elected vice-president of the corporation. 8-23

WANT SECTION

THE CLASSIFICATIONS IN THIS SECTION ARE:

Machinery and Supplies

Under this heading are reported requests for data, prices and literature and information on machinery, supplies and miscellaneous materials of a wide variety.

Building Materials and Equipment

This division comprises all classes and kinds of materials and equipment used in building and construction projects of every kind.

Bids Asked

Includes bids asked by U. S. Government, States, districts, municipalities, firms and individuals for machinery, materials, supplies and construction work.

Items in this department are published without charge and these columns are open for the publication of wants of all kinds relating to construction work, machinery, materials and supplies.

Machinery and Supplies

Boiler.—Howard C. Elliott, 315 and 316 Olympia Bldg., Miami, Fla.—Wants prices on new or used 75 h. p. boiler, to stand 600 lb. pressure.

Canning Machinery.—H. Craig Chapman, Chesterfield, S. C.—Wants data and prices on canning machinery.

Canning Equipment.—W. G. LaBree, P. O. Box 98, Danla, Fla.—Wants data and prices from manufacturers of canning equipment.

Cheese Plant Equipment.—W. H. Butterworth, South Hill, Va.—Wants prices and data on all equipment necessary for small cheese plant.

Drag Line Machinery.—Bayview Homes Co., Crystal River, Fla.—Wants to lease or buy 1 cu. yd. drag line, second-hand, suitable for improving lots with boat slips, gasoline or Diesel engine.

Dredging Machinery.—Bayview Homes Co., Crystal River, Fla.—Wants to lease or buy dredge equipped with 8-in. pump, second-hand, suitable for improving lots with boat slips, gasoline or Diesel engine operated.

Excelsior Machinery.—H. Craig Chapman, Chesterfield, S. C.—Wants data and prices on excelsior machinery.

Feed Mill.—Taylor M. Estes, Main St., Lebanon, Ky.—Wants small capacity feed mill.

Garage Equipment.—Holt & Lightsey, Silvertown, Tex.—Want the following:

- (1) Air Compressor
- (2) Drill (Electric)
- (3) Hone Press
- (4) Reamers.

Jaw Crusher.—Nixon-Hasselle Co. (Mchy. Dealer), James Bldg., Chattanooga, Tenn.—Wants 18x36 or 24x36 jaw crusher, manganese fitted; good condition; state full particulars and lowest cash price.

Laundry Equipment.—Palace Laundry, A. R. McKinley, Mgr., 1064 Second Ave., Laurel, Miss.—Will probably want laundry machinery to replace that damaged by fire.

Lathes.—Foxworth Veneer Co., Foxworth, Miss.—Wants 1 second hand 48-in. Blakeslee veneer lathe.

Motors.—Foxworth Veneer Co., Foxworth, Miss.—Wants two 10 hp., 3-phase, 60-cycle, 220 and 2300-volt motors.

Pipe (Cast Iron).—City of Hinton, W. Va., Hume K. Nowlan, City Mgr.—Wants 8-in. and 24-in. c.i. pipe.

Printing Equipment.—E. A. Schubert, Industrial Commr., Hampton Roads Waterfront Corp., Suffolk, Va.—Wants good second hand printing equipment.

Pumps (Gasoline), Tanks.—Irondale Gas & Oil Co., Irondale, Mo.—Wants gasoline pumps and coal oil tanks.

Road Roller.—City of Hinton, W. Va., Hume K. Nowlan, City Mgr.—Wants small power road roller.

Rock Crushing Equipment, etc.—Standard Rock Asphalt Co., Ferd D. Wood, Sec.-Treas., 307 Brady Bldg., San Antonio, Tex.—Leased holdings of 4562 acres in Uvalde and McKinney Counties containing limestone rock asphalt and wants following for first unit of plant:

- (1) Automatic Conveyors
- (2) Crushers (2)—primary and secondary
- (3) Elevator (Bucket)
- (4) Motors (Electric) — for crushers and bucket elevators
- (5) Pit Machinery and Equipment
- (6) Rails—second-hand, 60 lb.

Scales.—Whyte Feed Mills, Pine Bluff, Ark.—Wants one or two 5 bu. Richardson automatic grain sacking scales, second hand.

Silica Separating Equipment.—Marshall Haney, Const. Mining Engr., Geer, Va.—Wants data and prices on mechanical equipment suitable for separating silica from ocher.

Sprinkler System.—Whyte Feed Mills, Pine Bluff, Ark.—Wants dry sprinkler system for building 120x130 ft.

Straw Weaving Loom.—Geo. T. Robinson, Prin. Jr. High School, Daytona Beach, Fla.—Wants loom for weaving solid, tough, pliable straw into matting.

Heck Electric Lawn Mower Co., Inc., 1016 Baltimore Ave., Kansas City, Mo., has patent on electric lawn mower, which is equipped with vacuum attachment for collecting cuttings and which will be assembled by large manufacturer. Wants:

- (1) Handles—similar to type used on vacuum cleaners
- (2) Electric Cords
- (3) Switches.

M. R. Leary, 220 W. Congress St., Brookhaven, Miss., wants prices on following:

- (1) Cement Brick Machine
- (2) Concrete Block Machinery
- (3) Concrete Mixing Machine.

Guyana Machine Shops, Inc. (Machinery Dealers), Logan, W. Va.—Wants prices on following:

- (1) Air Compressor—about 4x4 ft.
- (2) Exhaust Fans—24 in. to 30 in. diam., 220 volts A. C.
- (3) I-Beam—hoists one to 5 ton capacity, A. C. or D. C.
- (4) Japanning Oven—for baking large armatures, natural gas or electric heat
- (5) Lathe—for turning steel tires and steel locomotive wheels up to 4-in. diam. and from 32 in. to 48 in. gauge
- (6) Motors—A. C. and D. C. 7½ H. P. and 15 H. P., 220 volt and 250 volt
- (7) Piston Grinder—for auto and truck pistons
- (8) Punch and Shear—preferably No. 1½ Buffalo Universal iron worker.
- (9) Transformers—60 cycle, 2300 volt and 6600 to 220-440 volt size 5 kv-a, 50 kv-a
- (10) Reels—250 volt for General Electric locomotives
- (11) Wheel Press—300 ton capacity or larger.

E. W. Cooper (Mchy. Dealer), 510½ Deadrick St., Nashville, Tenn., wants:

- (1) Air Compressor (Portable)—gasoline driven, to operate one standard Jack-hammer drill
- (2) Air Compressor (Stationary)—belt driven, to operate two standard Jack-hammer drills
- (3) Air Separator—horizontal fan, 2-cylinder and conc. type—prefer Gayco, Emerick or Sturtevant
- (4) Crane (Traveling)—overhead, electrically driven, 10-ton capacity, 50-ft. span, two or three motors, 220 volts, 3-phase, 60-cycle, A. C.
- (5) Hoist (Gasoline Driven)—two drum, 40 h. p. or more motor, to be used in operating stiff leg derrick
- (6) Jaw Crusher—small size, for use as re-breaker, prefer 8x12 in. Universal
- (7) Screen (Vibrating or Shaker)—belt or chain driven with eccentric, also surface screen to use ¼ or ⅜-in. mesh wire screen cloth
- (8) Turbo-Generator (Steam)—for lighting plant, one to two watts, prefer Moon
- (9) Stiff Leg Derrick—15-ton capacity
- (10) Limepulver—No. 2 or 3 size, combination jaw crusher and hammer mill.

Kentucky Laboratories Corp. (Pharmaceutical Chemists), temporary address Box 727, Lexington, Ky., wants the following:

- (1) Bottling Machinery
- (2) Labeling and Wrapping Machines
- (3) Printing Machinery and Equipment.

F. L. Baker, Contr., Dumas, Tex., wants prices on following:

- (1) Sanding Machine
- (2) Saw Stand Shaft—with steel table.

South Florida Packing Co., Hallandale, Fla., developing 50 acres for farming, erect packing house and wants:

- (1) Crates (Tomato)
- (2) Hampers (Vegetable)
- (3) Nails
- (4) Paper.

Miscellaneous.

Block and Tackle.—L. A. Tharp, S. Broad St., Mayfield, Ky.—Wants 1 triple tackle block and 1 double tackle block and 5-ton winch.

Bridge Building Material.—Bayview Homes Co., Frederick Van Roy, Pres. and Mgr., Crystal River, Fla.—Data and prices on material for steel and conc. bridges, 200 and 300 ft. long, part of Gulf Coast Highway, crossing shallow creeks.

Green Houses.—E. A. Schubert, Industrial Commr., Hampton Roads Waterfront Corp., Suffolk, Va.—Wants full steel frames for green houses.

Rope.—L. A. Tharp, W. Broad St., Mayfield, Ky.—Wants 350 ft. of 1-in long fiber manilla rope.

Phonograph.—Albert M. Behar, 40 Marie Louisa, Sofia, Bulgaria—Wants to represent manufacturers of phonographs and records.

Mercerize, Inc., P. O. Box 815, Hollywood, Fla. (manufacturers of Mercerize Auto Top Dressing).—Wants prices and data on following:

- (1) Cans—8 oz. harness oil, either plain or lithographed
- (2) Sifter Top Boxes—(Tin or Cardboard), either for lithographed or printed sides for directions
- (3) Stationery (Printed)
- (4) Labels
- (5) Pamphlets.

Kentucky Laboratories Corp. (Pharmaceutical Chemists), temporary address Box 727, Lexington, Ky., wants the following:

- (1) Bottles
- (2) Herbs
- (3) Cans, Containers (Tin)—for salves, polishes, etc.
- (4) Ink
- (5) Paper.

The English Construction Co., Inc., 1311 H St., Washington, D. C., and New York—Wants bids on large job of excavation, shovel work, hand work, clam shell work and concrete work.

E. O. Kutzeb, Nowy-Swiat Nr. 17, Warsaw, Poland—Wants to represent American manufacturers of oil stones, clothes wringers, and blowers and forges.

Building Material and Equipment.

Rev. Michael McInnerney, Belmont, N. C., wants prices on tile roofing for \$40,000 rectory, Asheville, N. C.

N. D. Holland, Durham, N. C., wants prices on following for remodeling 3-story store:

- Elevators
- Metal Ceilings
- Roofing (flat)—built-up
- Tile—wall coping
- Ventilators.

J. F. Crouch, 310 N. 1st St., Temple, Tex., wants prices on following for \$15,000 apartment:

- Electric Refrigerators
- Flooring—tile for bath rooms
- Roofing—asbestos roof.

M. R. Leary, 220 W. Congress St., Brookhaven, Miss., wants prices on following for residence:

- Electric Refrigerators
- Flooring—hardwood, linoleum
- Metal Ceilings
- Plaster Board
- Roofing
- Steel Sash and Trim
- Tile—gypsum
- Brass and Bronze Work.

Ogletree Construction Co., Anniston, Ala., wants prices on following for county home and hospital near Jacksonville, Ala.:

- Flooring—maple
- Metal Shingles.

Leo L. Oberwarth & Son, Archts., Frankfort, Ky., want prices on following for \$70,000 school:

Cast Stone
Limestone
Roofing (flat)—built-up.

N. W. Overstreet, Archt., Miss. Fire Bldg., Jackson, Miss., wants prices on following for \$20,000 church, Shaw, Miss.:

Cast Stone
Roofing (hip)—asbestos shingle, slate, tile.

A. S. Rosenhoff, 503 W. Broad St., Savannah, Ga., wants prices on following for 24-apartment structure:

Cast Stone
Electric Refrigerators
Electrical Figures for Newels on Stairs
Flooring—hardwood, linoleum, tile
Fountain for Lobby
Incinerator
Marble

Roofing (hip)—asbestos and asphalt shingle
Terra Cotta Trim
Brass and Bronze Work.

Realty Developers, Inc., Bldrs., 9 W. Mt. Royal Ave., Baltimore, Md., wants prices on following for dwellings:

Flooring—hardwood
Roofing—slate, tile.

Lindsley-Munn Const. Co., S. W. Life Bldg., Dallas, Tex.—Wants prices on following for packing plant:

Cork Insulation
Electric Refrigerators
Tile.

Kelwood Co., Inc., Archts., 905 Travis Bldg., San Antonio, Tex., wants prices on following for \$250,000 hotel for Taylor Hotel Co., Taylor, Tex.:

Cast Stone
Dumb Walters
Electric Refrigerators
Elevators
Flooring—hardwood, linoleum, tile
Incinerator
Mail Chutes
Marble
Metal Doors
Roofing (flat)—built-up, tile
Steel Sash and Trim
Tile—hollow
Vaults
Vault Lights
Ventilators
Wire Glass
Brass and Bronze Work.

Becchetti-Schroder Construction Co., Aiken, S. C., wants prices on hardwood flooring for \$17,800 dwelling.

W. F. Chambers, Contr., San Benito, Tex., wants prices on following for 6-apartment for J. K. Junkin:

Electric Refrigerators.

Livesay & Wiedemann, Archts., 607 San Jacinto Life Bldg., Beaumont, Tex., wants prices on following for \$75,000 school for Calcasieu Parish, Lake Charles, La.:

Cast Stone
Flooring—hardwood
Metal Doors
Roofing (flat)—built-up
Tile—hollow
Ventilators
Wire Glass.

R. W. Burrows Construction Co., Contr., Bartow, Fla., wants prices on following for \$22,000 school, Lake Wales, Fla.:

Flooring—hardwood and 5000 ft. 3 in. rift pine.

E. H. Eads & Co., Archts., Chickasha, Okla., wants prices on following for \$26,000 dwelling:

Cast Stone
Electric Refrigerators
Flooring—hardwood, linoleum
Incinerator
Marble
Roofing (hip)—asbestos shingle
Steel Sash and Trim
Tile—interior
Ventilators
Wire Glass
Brass and Bronze Work.

John I. Vandergrift, Contr., Cumberland, Md., wants prices on following for store at Frederick, Md., for McCrory Stores Corp.:

Cast Stone
Flooring—linoleum, terrazzo, tile
Roofing—built-up.

Bids Asked

Air Compressor.—Dist. Commrs., Washington, D. C.—Bids Sept. 18 for 1 gasoline engine portable air compressor unit for Water Dept.; information on application.

Airway Beacons, etc.—Division of Supplies, Dept. of Commerce, Washington, San Francisco, Calif., and Salt Lake City, Utah—Bids Sept. 21 for establishing electric airways beacons and intermediate landing field equip-

ment, Blue Canyon-Verdi and Parran-Battle Mountain cut-off section of San Francisco-Salt Lake City Airway. Pro. 20010.

Airway Lanterns.—Supt. of Lighthouses, Staten Island, N. Y.—Bids Sept. 26 for 100 300-mm. acetylene airways lanterns complete. Pro. 27902.

Bridge.—Franklin, Tex. See Construction News—Bridges, Culverts, Viaducts.

Bridges.—State of Missouri—Bids for 11 bridges. See Construction News—Roads, Streets, Paving.

Bridges.—Rustburg, Va.—Bids for 6 bridges. See Construction News—Bridges, Culverts, Viaducts.

Bridges.—State of South Carolina—Bids for 3 bridges. See Construction News—Roads, Streets, Paving.

Bridges, etc.—State of Texas—Bids for bridges, 15 culverts, etc. See Construction News—Roads, Streets, Paving.

Bridge, etc.—Laredo, Tex.—Bids for bridge and overpass. See Construction News—Roads, Streets, Paving.

Cafeteria Equipment.—District Commrs., Washington, D. C.—Bids Sept. 19 for counters, gas ranges, aluminum kettles, urns, dish trucks, steam cooker and kettle, sinks, tables, ovens, wire stools, refrigerators, slicers, dishwashing machines, etc., for public schools.

Culverts, etc.—State of Texas—Bids for 3 culverts and approaches. See Construction News—Roads, Streets, Paving.

Dredging.—U. S. Engineer Office, Jacksonville, Fla.—Bids Oct. 12 for dredging approximately 105,900 cu. yds. sand, mud, shell and rock from Ancote River, Fla.; information on application.

Dredging.—War Dept., U. S. Engineer Office, Mobile, Ala.—Bids Sept. 26 for dredging Pascagoula River and Mississippi Sound channels to 19-ft. depth and 150-ft. width.

Dredging.—Harris County Drainage Dist. No. 12, H. L. Washburn, County Auditor, Houston, Tex.—Bids Sept. 27 for excavation 77,000 cu. yds. earth along Brays Bayou in drainage district No. 12; J. S. Burk, Engr., 340 West Bldg.

Dredging.—War Dept., U. S. Engineer Office, Providence, R. I.—Bids Oct. 1 for dredging 264,400 cu. yds. of material in Norwalk Harbor, Conn.

Dredging.—War Dept., U. S. Engineer Office, Providence, R. I.—Bids Oct. 3 for dredging 74,000 cu. yds. of material in Bridgeport Harbor, Conn.

Dredging.—War Dept., U. S. Engineer Office, Jacksonville, Fla.—Bids Oct. 4 for dredging 105,900 cu. yds. of mud, sand, shell and rock from Ancote River, Fla.

Elevators.—Treasury Dept., Office of Supervising Archt., Washington, D. C.—Bids Sept. 24 for furnishing material and labor for installing freight elevator in U. S. P. O. at East Orange, N. J.

Engine (Gasoline).—War Dept., U. S. Engineer Office, Galveston, Texas—Bids Sept. 17 for one 6-cylinder, 50 to 60 h. p., 320 to 400 r.p.m. gasoline engine complete.

Fire Hydrants.—See Water Works.

Gas Ranges.—Quartermaster Supply Officer, U. S. A., Washington, D. C.—Bids Sept. 26 for 485 gas ranges. Cir. 24.

Hardware.—Marine Corps, Q. M. Dept., Washington, D. C.—Bids Sept. 18 for furnishing hardware for delivery to Quantico; information on application. Sch. 175.

Heating System.—Fayette County, Geo. Hausler, Auditor, La Grange, Tex.—Bids Sept. 18 for installing 2-pipe vapor heating system in court house; information on application to Dalton & Heyne, 1001 Electric Bldg., Houston and at office of auditor.

Heating Plant.—Webster Parish School Bd., Minden, La.—Bids Sept. 20 for steam radiation equipment for school building and domestic science cottage at Sarepta, La., and for school building at Spring Hill, La.; plans, etc., from Edw. F. Neild, Archt., Shreveport.

Heating Units.—Contracting Officer, Material Division, U. S. A. Air Corps, Wright Field, Ohio—Bids Sept. 17 for heating units for dynamometer laboratory and hangars 4, 2 and 3. Cir. 108.

Kitchen Equipment.—Marine Corps, Q. M. Dept., Washington, D. C.—Bids Sept. 17 for furnishing kitchen equipment; delivery Philadelphia, Pa., Sch. 161; information on application.

Levee.—War Dept., U. S. Engr. Office, New Orleans River Dist., office of Dist. Engr.—Bids Sept. 25 for constructing approximately 2,200,000 cu. yds. earthwork in New Orleans River Dist., designated below by name, number, location, kind of work, estimated net

yardage: Lower Tensas Levee Dist.—Brabston Levee, 733-34 R. Concordia Parish, new and enlarging levees, 242,000; Shaw-Blackhawk, 753 R. Concordia Parish, constructing levee, 150,000 cu. yds.; Atchafalaya Levee Dist. (Front)—Alford Levee, 814 R. West Baton Rouge Parish, building new levee, 310,000; Lafourche Levee Dist.—Ames Levee, 962.5 R. in Jefferson Parish, building new levee, 190,000 cu. yds.; Pontchartrain Levee Dist.—Margaret Levee, 863 L. building new levee; 580,000 cu. yds.; Hope Levee, 921 L. in St. Johns the Baptist Parish, building new levee, 295,000 cu. yds.; Atchafalaya Levee Dist. (Back)—Evans Point Levee, 261*, in Point Coupee Parish on left bank of Atchafalaya River, building new levee, 172,000 cu. yds.; Tin Barn Levee, 32L*, in Pointe Coupee Parish, cutting out and restoring 100 ft. levee and digging 10 ft. search ditch, 16,000 cu. yds.; Red River, Atchafalaya and Bayou Boeuf Levee Dist.—Neita Levee, 17.5R*, in St. Landry Parish, building new levee, 30,000 cu. yds.; Elba Levee, 26R*, in St. Landry Parish, building new levee, 60,000 cu. yds.; Richard Levee, 28.5R*, in St. Landry Parish, building new levee, 145,000 cu. yds.; W. H. Holcombe, Major, Corps of Engrs., Dist. Engr.

Lock and Dam.—War Dept., U. S. Engineer Office, 516 Bremer Arcade Bldg., St. Paul, Minn.—Bids Sept. 27 for constructing lock and dam in Mississippi River near Hastings, Minn.

Lumber.—Bureau of Supplies and Accounts, Navy Dept., Washington, D. C.—Bids Sept. 18 for delivering lumber to Naval Academy, Annapolis, Md.; apply for proposals to Supply Officer, Naval Academy, or to Bureau Supplies and Accounts.

Lumber.—Commanding Officer, Picatinny Arsenal, N. J.—Bids Sept. 21 for 64,300 bd. ft. lumber. Cir. 173.

Miscellaneous Supplies.—U. S. Marine Corps, Q. M. Dept., Washington, D. C.—Bids Sept. 21 at office of Depot Q. M., 1100 S. Broad St., Philadelphia, Pa., for furnishing 500 yds. haircloth, 25,000 yds. jean lining, 600 yds. lining, etc.; information on application; Sch. 160.

Miscellaneous Supplies.—General Purchasing Officer, Panama Canal, Washington, D. C.—Bids Oct. 2 for 6-cylinder marine-type gasoline engines, manila tags, yellow pine flooring, drop siding, ceiling, lumber and timber, pipe fittings, gate, pressure reducing and globe valves, range boilers, shower heads, magnetos, door checks, etc. Sch. 1901.

Paving.—Indianola, Miss. See Construction News—Roads, Streets, Paving.

Paving.—Clinton, Mo. See Construction News—Roads, Streets, Paving.

Paving, etc.—Baltimore, Md. See Construction News—Roads, Streets, Paving.

Paving.—Marshall, Tex. See Construction News—Roads, Streets, Paving.

Paving, etc.—Brinkley, Ark. See Construction News—Roads, Streets, Paving.

Pipe (Wrought Iron) and Gate Valves.—Panama Canal, office of Gen. Pur. Officer, Washington, D. C. Bids Sept. 17 for wrought iron pipe and gate valves.

Pipe Fittings.—Contracting Officer, Material Division, U. S. A. Air Corps, Wright Field, Ohio—Bids Sept. 17 for pipe bushings, union cocks, union cones, elbows, ells, couplings, liners, nipples, etc. Cir. 106.

Pipe.—See Water Works.

Plumbing, Heating and Wiring.—W. C. Trotter, Sec. Bldg. Comm., Jackson, Miss.—Bids Sept. 25 at State Capitol Bldg., for plumbing, heating and wiring on Administration Bldg., Science Bldg., Girls Dormitory and 3 teachers cottages all at Alcorn A. and M. College, Alcorn, Miss.; plans, specifications, etc., at office of Claude Lindsley, Archt., Lamar Bldg., Jackson.

Printing and Binding, etc.—Director of Division of Purchase and Printing, Chas. A. Osborne, Richmond, Va.—Bids Sept. 17 for such printing and binding for State of Virginia that may be required by the several departments, boards and institutions for one year beginning Oct. 1; furnishing such paper stock as may be needed during the same period; furnishing such incidental office stationery supplies, inks, pens, pencils, rubber bands, carbon paper and ribbon, etc., for same period; information, blanks, etc., at office of Davis Bottom, Asst. in Charge of Printing, Room 10, Capitol Bldg.

Radio Antenna Towers.—Division of Supplies, Dept. of Commerce, Washington, D. C.—Bids Sept. 20 for six to thirty 125-ft. antenna towers. Pro. 20026.

Road.—Franklin, Ky. See Construction News—Roads, Streets, Paving.

Road.—Indianola, Miss. See Construction News—Roads, Streets, Paving.

Roads, Water Works and Sewers.—W. C. Trotter, Sec., Building Comm., Jackson, Miss.—Bids Sept. 25 at State Capitol Bldg., Jackson, for construction of roads, water works and sewer system for Mississippi School and Colony for Feeble Minded at Ellisville; plans, etc., obtained from C. H. Lindsley, Archt., Lamar Bldg.

Roads.—State of Texas—Bids for 6 roads. See Construction News—Roads, Streets, Paving.

Road.—Oklahoma City, Okla. See Construction News—Roads, Streets, Paving.

Roads.—State of South Carolina—Bids for 7 roads. See Construction News—Roads, Streets, Paving.

Road.—Houston, Tex. See Construction News—Roads, Streets, Paving.

Roads.—State of Missouri—Bids for 28 roads. See Construction News—Roads, Streets, Paving.

Road.—Laredo, Tex. See Construction News—Roads, Streets, Paving.

Roads.—State of Texas—Bids for 4 roads. See Construction News—Roads, Streets, Paving.

Roads.—Richmond, Tex. See Construction News—Roads, Streets, Paving.

Sewers.—City of Aransas Pass, Tex., R. B. Rice, Mayor—Bids Sept. 18 for sanitary sewer, material consists of sewer pipe, manhole rings and covers, etc.; Municipal Engineering Co., Inc., Engrs., Athletic Club Bldg., Dallas.

Stage Equipment.—District Comms., Washington, D. C.—Bids Sept. 17 for curtains, balances, 18 flood lights, six spot lights, four strip lights for Langley Junior High School stage.

Steel Trusses.—Chemical Warfare Service, Edgewood Arsenal, Md.—Bids Sept. 20 for five steel trusses. Cir. 34.

Street.—Liberty, S. C. See Construction News—Roads, Streets, Paving.

Street.—Fort Bragg, N. C. See Construction News—Roads, Streets, Paving.

Street.—Ahoskie, N. C. See Construction News—Roads, Streets, Paving.

Telephone Equipment.—Marine Corps, Q. M. Dept., Washington, D. C.—Bids Sept. 15 for telephone equipment, delivery Quantico, Va.; Sch. 168.

Water Mains.—Bd. of Awards, Baltimore, Md.—Bids Sept. 19 for excavating trenches, furnishing and laying mains in York Road from Evesham Ave. to Stevenson's Lane and Stevenson's Lane from York Road to Towson reservoir; Edw. G. Rost, Water Engr.

Water Main.—Bd. of Comms., Galveston, Tex.—Bids Sept. 20 for furnishing material and constructing water main across Galveston Channel, from point at Pier No. 14 on Galveston Island to point on Pelican Spit; Item No. 1—1500 ft. extra heavy w. i. pipe, 8-in. inside diam., threaded with recessed sleeve couplings, price F. O. B. Galveston; No. 2—laying 8-in. pipe in trench to be dredged to depth of 45 ft. below mean low tide; cost \$35,000.

Water Mains and Appurtenances.—Baltimore County Comms., Towson, Md.—Bids Oct. 1 for laying water mains and appurtenances in Milford, Liberty Heights Ave., and in Hamilton Ave., Rosedale; approximate quantities, Contr. 20W, excavation and refill: 5300 ft. earth excavation and refill for 6-in. pipe, 2650 ft. 8-in. pipe and 8500 ft. 12-in. pipe; 600 cu. yds. Class A, 500 cu. yds. Class B, 400 cu. yds. Class C rock excavation and earth refill; 10 cu. yds. miscellaneous and test pit earth excavation and refill; miscellaneous items, including cinder, old patch and conc. paving; approximate quantities of Contr. No. 21-W, pipe laying: 5300 ft. 6-in., 2700 ft. 8-in. and 9800 ft. 12-in. pipe, valves and fittings, lead joints; alternate bids on leadite joints; placing 12 fire hydrants and miscellaneous items; specifications and drawings at office of A. E. Walden, Ch. Engr., Baltimore County Metropolitan Dist., Towson.

Wharf.—District Comms., Washington, D. C.—Bids Sept. 26 for constructing D. C. morgue wharf on Water St., S. W.; information on application to Room 437 Dist. Bldg.

clutches and individual brakes, permitting quick, short turns and full power on the turns, and has highly developed features of protection against dust and dirt, air cleaner, oil seals, a carefully worked out and thorough lubrication system and extensive use of heat-treated, wear-resistant steels.

Joseph A. Jeffrey.

Joseph A. Jeffrey, founder and chairman of the board of the Jeffrey Manufacturing Co., Columbus, O., is dead at the age of 92 years. He was one of the founders of the Commercial National Bank, a director of the Ohio Trust Co., owner of the Ohio Malleable Iron Co. and active in other enterprises. Being interested in many industrial and financial concerns, Mr. Jeffrey was long one of the city's leading business men and took a decisive part in civic betterment and religious work.

Chemical and Metallurgical Engineer.

C. E. Plummer has been appointed to the position of chief chemical and metallurgical engineer for Robert W. Hunt Company, engineers, with headquarters at the general offices of the company, 2200 Insurance Exchange Building, Chicago. Mr. Plummer has had wide experience in his profession while associated with various mining, smelting and copper companies. He has been connected with the Bureau of Mines, Bureau of Standards and with the Union Carbide and Carbon Company in charge of important work in their research laboratories.

Diamond Chain Expands Plant.

The Diamond Chain and Manufacturing Company of Indianapolis has completed plans and placed contracts for a large additional factory unit four stories high that will add 40,000 square feet of floor space to their plant. Reinforced concrete fireproof construction similar to the present plant will be employed. The additional capacity has been made necessary because of the greater use of Diamond roller chain on machinery, and more particularly the multiple strand type on high-speed power-drive applications. The production of Diamond timing drive chain for motor cars has increased, requiring additional manufacturing space also.

Medley Manufacturing Co.

The Tom Huston Manufacturing Company was organized in 1918 in Columbus, Ga., by C. R. Medley and Tom Huston. In 1927 Mr. Medley purchased Mr. Huston's interest after withdrawal of the latter to establish another business, and the name of the company is now changed to the Medley Manufacturing Company. Mr. Medley has been actively connected with the company as its president since its organization, and there has been no change in the management and policies which have developed a large and growing peanut machinery manufacturing business.

Non-Metal, Flat Arch.

A non-metal, flat arch developed by George P. Reintjes, of the Geo. P. Reintjes Company, Kansas City, Mo., is a development of the year in refractory constructions. These tile, forming arches, will be among exhibits at the Philadelphia Steel Treathers' convention, October 8-12. The flat arches are composed of two shapes. By inverting the skew or starting brick, there is the key brick; the shapes are such that the arches form a natural jack arch. By using a third shape, a trussed arch can be formed. This flat arch is adaptable to many uses.

INDUSTRIAL NEWS OF INTEREST

Items of news about industrial, railroad or financial interests, building operations, construction work, municipal improvements, or the sale of machinery or the letting of contracts in the South or Southwest, are invited from our readers, whether they are advertisers, or subscribers, or not. We invite information of this character from readers in the North and West about their Southern business operations, as well as from Southern readers. News of value will be published just as readily when from non-advertisers as from advertisers.

Westinghouse Purchases a Subsidiary Company.

In 1926 the Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa., secured a controlling interest in the Kaestner & Hecht Company, elevator builders, of Chicago. Announcement is made that the Kaestner & Hecht Company will now be known as the Westinghouse Electric Elevator Company and that headquarters and plant of the new company will be in Chicago. District sales offices and service shops are established in principal cities and more will be opened in the near future. The company will operate as a separate unit of the Westinghouse Electric and Manufacturing Company. Westinghouse elevator equipment has been installed in some of the finest buildings throughout the country. The officers of the new company are: E. M. Herr, chairman of the board of directors; F. A. Merrick, president; R. I. Phillips, vice-president and general manager; E. D. Kilburn, vice-president; W. S. Rugg, vice-president; N. G. Symonds, secretary; F. E. Craig, general auditor; H. F. Baetz, treasurer, and Frank C. Reed, general sales manager.

Concrete Reinforcing Steel Institute.

The board of directors of the Concrete Reinforcing Steel Institute announces the semi-annual meeting of the institute at Buckwood Inn, Shawnee-on-Delaware, Pa., October 1-3. The invitation also includes the semi-annual golf tournament on October 3. George E. Routh, Jr., is president, and M. A. Beeman, secretary.

Opens New York District Office.

The Case-Fowler Lumber Company of Macon, Ga., has opened a district office at 341 Madison avenue, New York, in charge of S. F. Mackeluff. From the New York office the territory of New York, New Jersey, Pennsylvania, Delaware, Maryland and District of Columbia will be covered for the company's full line of Southern kiln-dried finished hardwoods, including mouldings and dimension stock. The company has a branch office also at Jacksonville, Fla., and selling agents in North Carolina, Virginia, Chicago, St. Louis, New England, Detroit and Canada.

Small Model of "Caterpillar."

The Caterpillar Tractor Co., San Leandro, Cal., announces the "Caterpillar" Ten Tractor for production and sale about the first of 1929. Thus "Caterpillar" advantages are to be extended to those whose power needs are limited to the use of a small tractor. "Caterpillar" engineers have long been working on the development of such a tractor. Prices and full detailed specifications will be announced later. It is stated now, however, that the new model offers ten horsepower at the drawbar and fourteen horsepower on the belt. The engine bore and stroke are 3 3/4 and 4 inches, respectively, engine speed 1500 revolutions per minute. "Caterpillar" Ten weighs approximately 4000 pounds and measures a fraction less than 100 inches in length, 4 feet wide and 51 inches high. It is steered by engine power through individual steering

PLANS TWO RAIL TERMINALS IN NEW ORLEANS.

\$8,000,000 Station for Illinois Central and Downtown Station for L. & N. and Southern System.

New Orleans, La.—The Louisiana Public Service Commission, acting on a report of its special engineering adviser, has decided to accept the two-station plan of terminal facilities for this city and permit the Illinois Central Railroad to erect a new station on and near its present site at Howard avenue and South Rampart street. It is understood that the Illinois Central will submit definite plans for the new station within a period of 120 days.

Tentative plans call for the elimination of grade crossings by the elevation of tracks, the new depot to be moved back some distance from Rampart street and to have a frontage of 390 feet. It will have 14 tracks with 17-foot platforms, as compared with 8 tracks in the present station, while its shed area will be doubled in length so that the longest trains may be protected from sun and rain. Tracks beyond Carrollton avenue will be elevated, in order that crossings at Carrollton avenue, Broad street, and Washington avenue will be eliminated, and tracks will be brought down to ground level at Galvez street. A viaduct will be constructed at Claiborne avenue to permit vehicular traffic to go over the tracks. The cost of the improvements is estimated at \$8,000,000.

The decision to permit the Illinois Central to proceed with its station plans, will now allow the Public Service Commission to devote its attention to a downtown station to be used by the Louisville and Nashville Railroad and the Southern Railway, according to Chairman Francis Williams.

Louisiana, Its Resources and Opportunities.

"Louisiana faces the future with prospects never brighter," is the opening sentence of the 1927-1928 edition of "Louisiana," the official publication of the Department of Agriculture and Immigration, Baton Rouge. The facts presented more than bear out the assertion quoted for the story of Louisiana's progress is a comprehensive one and the book is profusely illustrated with local scenes and activities which picture something of the State's development.

Agricultural Commissioner Harry D. Wilson points to the agricultural opportunities and calls attention to the tremendous supply of natural gas, an abundance of raw materials, advantageous freight rates and a good supply of dependable labor which commend Louisiana to the consideration of manufacturers. In this connection, shortly before the discovery of oil in the State, the editor of the MANUFACTURERS RECORD was told by a prominent New Orleans business man "You know Louisiana has no minerals for development," and many of its citizens held the same view. But Louisiana has developed a great mineral industry and has some of the country's outstanding plants devoted to mineral production. Health conditions, educational facilities and highway development are also important factors in the State's progress.

Briefly, some of the facts about Louisiana are outlined in the following:

Louisiana has a population of nearly 2,000,000.

With a climate that makes possible the growing of practically any crop, Louisiana has 28,000,000 acres of land and only 5,500,000 acres in cultivation showing the great possibilities for further growth. And yet Louisiana produces 95 per cent of the sugar cane grown in the United States; is the leading rice growing State; raises 6 per cent of the country's cotton; raises strawberry and vegetable crops valued at many millions of dollars annually, and has a southern coast region adapted to the production of citrus fruits.

In mineral development, Louisiana ranks sixth in oil production, has gas fields in the northern part of the State which

are declared to be the largest in the country and has practically inexhaustible salt deposits producing 99 per cent pure salt at the mines.

Louisiana is among the leading lumber manufacturing states of the country and claims the greatest area of long-leaf pine and more cypress timber than any other State.

Louisiana's fishing grounds, and oyster beds of 4,500,000 acres, are famous.

In transportation the State has a great interior waterway system with navigable streams totaling more than 4700 miles; 8600 miles of railroad, and a highway system containing 8000 miles.

In conclusion, the Louisiana yearbook declares the State leads the nation in the production of furs, and has the largest sawmill, the largest sugar refinery and the largest oil refinery in the world.

Details of New Contract for Completing Florida Harbor Project Announced.

Additional information concerning the recent award of a contract to the Arundel Corporation, Baltimore, for completing dredging of Port Everglades, Fla., are contained in a statement issued by R. J. Blank, Secretary, Broward County Port District, Fort Lauderdale, and summarized herewith. More than 3,075,000 cubic yards of rock and sand were dredged by the Tropical Dredging & Construction Co., work having started in January, 1926, under the dual management of the cities of Fort Lauderdale and Hollywood within whose territorial limits the harbor is situated. The Legislature of 1927 created the Broward County Court District and the Broward Port Authority, under whose direction the port is being completed. Its members appointed by Governor Martin are: C. C. Freeman, Hollywood; Martin C. Frost, Dania; Ralph J. Blank and Samuel L. Drake, Fort Lauderdale. Funds in payment of the new contract have been deposited in the banks of the district and New York City, while bond has been entered into by the Arundel Corporation for the completion of the project in two stages—a 25-foot harbor by December 31, 1928, and a 35-foot depth by August 1, 1929. This first unit of Port Everglades involves an expenditure of \$6,000,000, and will provide, it is said, the deepest harbor on the Eastern seaboard between Norfolk and New Orleans. Large areas of land surrounding the harbor are being developed exclusively as industrial sites.

September Cotton Report.

A cotton crop of 14,439,000 bales is indicated by the condition of 60.3 on September 1, according to the Government Crop Report. This forecast is 148,000 bales, or 1 per cent above the forecast issued August 1. The abandonment after the first of July is estimated at 3.8 per cent leaving 44,916,000 acres to be harvested. The indicated yield is 153.9 pounds of lint per acre. Cotton prospects are not materially different from what they were a month ago.

\$1,176,000 Contract on \$4,000,000 Waterworks.

Dallas, Tex.—The City of Dallas has awarded contract at \$1,176,000 to the Uvalde Paving Company, Dallas, for cast iron and steel pipe lines in connection with the city's \$4,000,000 waterworks improvement program. Other contracts are expected to be awarded soon. Fuller & McClintock, New York, are the consulting engineers.

Plans Two Substations and Transmission Line.

The Georgia Power and Light Company, Valdosta, plans to install substations at Cogdell and Pearson, Georgia, build a 22 kv transmission line between these two points and supply Pearson with 24-hour service, being fed from the company's main 66 kv line to Waycross. Work on the project will soon begin.

TRADE

"LEADITE"

MARK

Registered U. S. Pat. Office

Even under the most rigorous conditions of service Leadite proves its efficiency**—where a line is subjected to constant vibration the joints must be tight and remain tight**

IN installing the 12" bell and spigot bridge line illustrated here the element of constant vibration was a serious consideration.

Leadite was used for jointing and has given perfect satisfaction throughout the 5½ years since this Bridge Line was installed—working pressure approximately 105 lbs. per sq. in.

This water department has laid many miles of cast iron water mains with Leadite joints—sizes 6" to 30"—pressures ranging from 40 pounds to 170 pounds per square inch. They say their experience with Leadite has been extremely satisfactory. Their ex-

perience with Leadite extends over 20 years.

The ease with which Leadite can be used is another consideration with waterworks engineers in making their specifications for unusual and difficult installations, as well as for general work.

The speed of jointing with Leadite is of great importance to Contractors in helping them complete their work promptly. From experience they know how much time they can save by using Leadite.

Everywhere waterworks engineers specify and use Leadite for the satisfaction it gives, its safety, security and economy.



Twelve-inch c. i. bell and spigot water main—Bridge Line—over 500 feet long—subject to severe vibration—carrying approximately 105 lbs. pressure per square inch.

Specify
and use

LEADITE

It saves
at least **75%**

Be sure
it is

LEADITE

and accept
no imitations

*The pioneer self-caulking material for c. i. pipe.
Tested and used for over 30 years.*

THE LEADITE COMPANY . . Land Title Building . . PHILADELPHIA, PA.

NO CAULKING

FINANCIAL NEWS

Bond Issues Proposed

Ala., Mobile—Road—Mobile County may vote on bonds.

Ala., Robertsedale—Water—Town voted \$24,000 bonds.

Ala., Selma—Wharf—City votes Sept. 17 on \$150,000 bonds.

Fla., Bradenton—Manatee County Bd. of Public Instruction, Julian Goetchius, Chmn., receives bids Sept. 25 for \$25,000 6% \$500 denom. Palma Sola Special School Dist. 17 bonds. 8-33

Fla., DeFuniak Springs—Walton County Commrs. authorized sale of \$90,000 bonds: \$50,000, hospital; \$40,000, jail.

Ga., Bowman—Bowman School Dist. voted \$25,000, 5%, \$1,000 denom. bonds.

Ga., Cochran—City voted \$25,000 bonds: \$7,000, school; \$18,000, city hall; J. E. Cook, Mayor. 8-30

Ga., Waycross—Hospital—Ware County considering bond election this fall.

Ky., Ashland—Sewer—City plans voting Nov. 6 on \$400,000 bonds.

Ky., Owensboro—Sewer—City considering \$1,200,000 bond election in Nov.

Louisiana—State of Louisiana, Hon. H. B. Conner, Treas., Baton Rouge, receives bids Sept. 15 for \$1,000,000 bonds: \$500,000 4½% Alternate "A," certificates of indebtedness; \$500,000 5% Alternate "B" bonds.

La., Amite—Jail—Tangipahoa Parish defeated bond issue; Police Jury may call election later. 7-5

La., Lafayette—City votes Oct. 9 on \$236,000 bonds: \$80,000, sewer extension; \$81,000, sewage disposal plant; \$50,000, park; \$25,000, airport. 8-30

La., Springville—Livingston Parish School Bd., M. E. Wascom, Pres., receives bids Sept. 25 for \$50,000 \$1000 denom. not to exceed 6% School Dist. 4 bonds.

Miss., Clarksdale—Coahoma County Hopson Bayou Drainage Dist. Commrs., C. G. Bobo, Sec., Lyan, receive bids Sept. 18 for \$55,000 6% bonds.

Miss., Collins—Road—Covington County, Beat 5, voted \$60,000 bonds. 8-16

Miss., Holly Springs—Road—Marshall County, Byhalla and Barton Road Dist., voted \$100,000 bonds. 8-30

Miss., Pascagoula—City, J. R. Watts, Mayor, voted \$60,000 bonds for parks, piers and bath houses. 8-23

Miss., Senatobia—School—Town voted \$10,000 bonds. 8-9

Mo., Excelsior Springs—City votes Oct. 23 on \$200,000 bonds.

Mo., St. Joseph—School—City plans voting Oct. 9 on \$2,500,000 bonds; N. S. Hillyard, Member of School Bd.

N. C., Chadbourne—Paving—City voted \$25,000 bonds.

N. C., Lenoir—Courthouse—Caldwell County Commrs., A. R. Crisp, Clk., receive bids Sept. 17 for \$120,000 \$1000 denom., not to exceed 5% bonds.

Okla., Ardmore—Road—Carter County votes Oct. 2 on \$500,000 bonds as county's part of \$1,500,000 road building project.

Okla., Chelsea—Water Works—City may vote soon on \$150,000 bonds.

Okla., Ponca City—Sewer—City plans bond election.

Okla., Seminole—Parks, etc.—City, Pal Noe, Clk., voted \$12,500 bonds. 8-9

Okla., Stroud—Water—City may vote soon on bonds.

Tenn., Dresden—Sewer—City voted \$33,000 bonds.

Tenn., Jackson—School—City, Lawrence Taylor, Mayor, receives bids Sept. 18 for \$225,000 bonds. 8-2

Tenn., Knoxville—Improvement—City, L. M. Emert, Dir. of Finance, receives bids Sept. 25 for \$1,367,000 bonds: \$100,000, bridge; \$500,000, sewer; \$767,000, street, etc. 8-16

Tenn., Nashville—State Funding Bd. authorized issuance and sale of \$2,000,000 short term notes to provide funds for State Highway Dept. during Sept.; State Highway Commr., Harry Berry, has asked for issuance of another \$2,000,000 notes in Oct. for road program; John Nolan, State Treas.; Ernest N. Haston, Sec. of State.

Tex., Liberty—City, H. O. Compton, Mayor, voted \$60,000 bonds: \$50,000, water works; \$10,000, fire department equipment. 8-30

Tenn., Memphis—Workhouse—Shelby

County Court considering \$250,000 bond issue.

Tenn., McMinnville—City voted \$25,000 bonds for fire engine and extending water mains.

Tex., Ballinger—Road—Runnels County, Dist. 3, voted \$525,000 bonds. 8-16

Tex., Benjamin—Water—City votes Sept. 18 on \$50,000 bonds.

Tex., Brownfield—Paving—City votes Oct. 15 on \$60,000 bonds.

Tex., Eden—Water—City, Haywood Miller, Mayor, receives bids in Sept. for \$30,000 6% \$1000 denom. bonds. 8-30

Tex., Edna—Road—Jackson County, Road Dist. 3, votes Oct. 2 on \$80,000 bonds. 7-19

Tex., Hallettsville—Road—Lavaca County, Road Dist. 1, Yoakum and Sweet Home section, votes Sept. 30 on \$350,000 bonds. 9-6

Tex., Longview—City votes Sept. 25 on \$95,000 bonds for water works, sewer, paving and fire department. 9-6

Tex., Port Neches—Port Neches Common School Dist. plans \$30,000 bond election for school at Groves; W. E. Parsons, Pres., School Bd.

Tex., Pyote—City voted \$143,000 bonds: \$95,000, water; \$48,000, sewer. 8-23

Tex., Raymondville—Road—Willacy County, Road Dist. 1, votes Sept. 29 on \$400,000 bonds; A. B. Crane, Judge.

Tex., Rockdale—Paving—City voted \$90,000 bonds.

Tex., Rockport—Water—City, J. E. Moore, Mayor, votes Sept. 29 on \$50,000 bonds.

Tex., Waxahachie—Road—Ellis County, Road Dist. No. 4, defeated \$190,000 bond issue; considering another election soon; H. R. Stovall, Judge. 8-30

Tex., Wichita Falls—Funding Indebtedness—City, W. E. McBroom, Clk., receives bids Oct. 8 for \$250,000 bonds. 9-6

Va., Clarendon—Sewer—Arlington County considering bond issue; Howard W. Smith, County Judge.

Va., Hopewell—Municipal, Improvement—City, Roy S. Braden, Mgr., voted \$300,000 bonds: \$150,000, streets; \$100,000, schools; \$50,000, sewerage. 8-23

Va., Princess Anne—Road—Princess Anne County contemplates bond issue.

Va., Virginia Beach—Town receives bids Sept. 24 for \$25,000 bonds for street and water improvements.

W. Va., Clendenin—Paving—City voted \$30,000 bonds.

W. Va., Parkersburg—Wood County, Tygart School Dist., may vote in fall on \$100,000 bonds; C. A. Meyer, Sec., Bd. of Education.

W. Va., Wellsburg—Brooke County votes Nov. 6 on \$1,500,000 bonds: \$400,000, courthouse and jail; \$750,000, roads; \$350,000, indebtedness. 9-6

Bond Issues Sold

Ala., Selma—City, Thomas J. Rowell, Mayor, sold \$52,000 improvement bonds: one portion to Selma National Bank at 102.75; one portion to City National Bank at 101.

Ark., Texarkana—City, S. C. Nancarrow, Mayor, sold \$317,000 bonds to Texarkana National Bank, 98.17; \$300,000, municipal building; \$10,000, fire dept.; \$7,000, street cleaning. 8-23

La., Lake Charles—Calcasieu Parish School Bd., F. K. White, Supt., sold \$75,000 6% School Dist. 22 bonds to Rapides Bank & Trust Co., Alexandria, par, accrued interest and \$1500 premium. 8-23

Mo., Joplin—Viaduct—City, B. F. Herron, Commr. of Revenue, sold \$30,000 4½% bonds to Joplin National Bank, par and accrued interest. 8-30

N. C., Brevard—Revenue Anticipation—Transylvania County sold \$150,000 5% coupon notes to Stranahan, Harris & Oatis, Inc., Toledo, Ohio.

N. C., Rutherford—Anticipation—Rutherford County, F. P. Stratford, County Accountant, sold \$150,000, \$10,000 and \$5000 denom. bonds to Wachovia Bank and Trust Co., Winston-Salem, par and accrued interest. 8-30

Okla., Ripley—City sold \$25,000 6% bonds to American First Trust Co., Oklahoma City: \$19,000, water; \$6000, sewer.

S. C., Greenwood—Road—Greenwood Coun-

ty Highway Comm., sold \$250,000 4¼% bonds: \$90,000, jointly, to Braun, Bosworth & Co., Toledo, Ohio, and Securities Trust Co., Detroit, Mich.; \$160,000, to sinking fund of Highway Comm. and of School Dist. No. 18; premium of \$150. 9-6

S. C., Orangeburg—Highway—Orangeburg County Highway Comm., H. E. Moore, Clk., sold \$55,000 5% bonds to Kauffman, Smith & Co., St. Louis, Mo., \$713 premium. 8-30

Tenn., Pulaski—City sold \$65,000 funding bonds to American National Co., Nashville, par, accrued interest and premium \$1,160. 8-23

Tex., Angleton—B. F. Dittmar Co., San Antonio, purchased \$80,000 5% Alvin Independent School Dist. bonds, \$572 premium.

Building and Loan Associations

Va., Cape Charles—Eastern Shore Building & Loan Assn., capital \$25,000, chartered; R. L. Smith, Pres.

New Financial Corporations

N. C., Biltmore—Carolina Industrial Bank, capital \$10,000, chartered; T. C. Cox, Jr., Wm. L. and Charles G. Lee, Jr.

Okla., Bartlesville—Central National Bank, Third and Dewey St., opened; Howard Cannon, Pres.; formed by consolidation of Central National and Exchange Banks.

Tex., Port Arthur—Seaboard Bank and Trust Co., capital \$100,000, reopened; E. E. Hartford, Pres.

Marine Banking and Trust Co., Will F. Miller, Pres., and Labor Bank and Trust Co., W. H. Lighthouse, Pres., all Houston, Tex., merged with \$300,000 capital; Will F. Miller, will be president of consolidation.

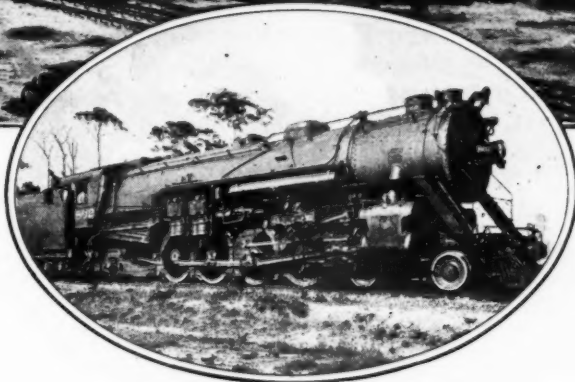
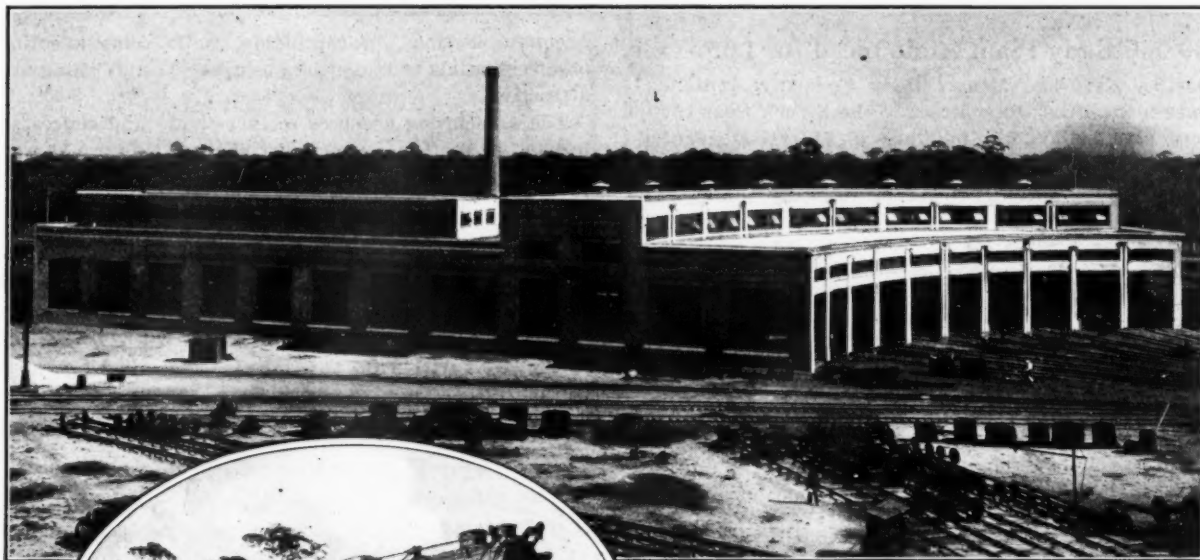
First National Bank, C. E. Carlton, Pres., and Peoples Bank, J. O. Trow, Pres., all Stoutland, Mo., consolidated as First National Bank of Stoutland.

Building and Loan Assn., Guy W. Higgs, Sec., Martin, Tenn., increased capital, \$200,000 to \$400,000.

Trade Literature

Three-Way Body Hoist.—The commercial three-way hoist and body manufactured by the Commercial Shearing and Stamping Company, Youngstown, O., is illustrated and described in a booklet recently issued. By an ingenious arrangement the body dumps to either side and to the rear of the truck upon which it is mounted. Its special feature permits it to be operated from the driver's seat; because the truck can be drawn alongside excavations or embankments no backing or turning is required to unload. The complete unit consists of commercial three-way hydraulic hoist and all-steel dump body equipped with automatic down fold side gates, automatic tail gate, automatic extension side boards, complete sub-frame for body when required, rear hinge assembly, power take-off and controls, and all necessary parts. It can be mounted on any model chassis.

Industrial Lighting.—The Benjamin Electric Mfg. Co., Chicago, have published a comprehensive illustrated "Guide to Productive Lighting for Industry" for plant executives, superintendents of production, plant electricians and master mechanics. Through charts and specifications a simple method is developed for the planning, layout and installation of an effective lighting system. Various types of Benjamin "Certified" lighting equipment are illustrated, and their specific use in a certified lighting installation described.



The Round House and Shops of—Florida East Coast Railway at New Smyrna, Florida, are protected by Barrett Specification Roofs. Gen'l. Contractor: G. H. Hessler, Jacksonville, Fla. Roofer: James Ramsay, Jacksonville, Fla.

95 new giant oil burning locomotives have been put into service by the Florida East Coast Railway during the past 2 years. Fuel oil is used exclusively, removing the annoyance of dust and cinders, and promoting the maximum of travel comfort.

Only the *fittest* roof can come through 20 years of Railroad Service

WHEN the Barrett Specification Roof was chosen for the new Smyrna Shops and Round House of the Florida East Coast Railway, the engineers knew, *definitely*, they would not have a come-back. The *roof* was off their mind—also the mind of the Maintenance Department for a solid 20 years—and more!*

They knew from experience that these roofs were dependable . . . safe . . . under the severe conditions of shop and round house service. They *knew* that Barrett Specification Roofs were impervious to water—were not damaged by contraction and expansion of the roof-deck—were not affected by the heat of the tropical sun. And they knew, too, that when *rated at cost per year of service* Barrett Specification Roofs had no equal in *economy*.

The Barrett Specification Roof Type "AA", used on the New Smyrna job, is

Depend on the Barrett Approved Roofer

Throughout the United States and Canada a limited number of roofing contractors have been approved by Barrett to lay the Barrett Specification Bonded Roof. These men have earned a reputation for doing efficient work—a name for absolute dependability.

Good workmanship is a big part of any roof. Be sure of good workmanship. Take your roof problem to the Barrett Approved Roofer.

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bonded against repair or maintenance expense for the next 20 years. When the last foot of Type "AA" is put down . . . and O.K'd by a Barrett Inspector . . . a Surety Bond is issued to the owners, guaranteeing not one penny's worth of upkeep for the whole of 20 years. And 20 years is *not* by any means the limit of their expense-free life. Barrett Specification Roofs have come through 30, 40 and even 50 years of extreme service. Hence, whether in the railroad industry or among owners of manufacturing plants Barrett has become a familiar name *and a respected one*.

*The Barrett Company also offers a "Specification Type 'A' Roof which is bonded for 10 years. This type of roof is adaptable to a certain class of buildings. The same high-grade materials are used, the only difference being in the quantities."

Barrett Specification Roofs

\$1,000,000 Body Plant Announced for Louisville.

Louisville, Ky.—The Mengel Body Company, William L. Hoge, president, awarded contract to the Struck Construction Company, Louisville, for building a \$1,000,000 plant at Fourth and G streets, for the manufacture of automobile bodies for the Willys-Overland Company, Toledo, Ohio. The plant will occupy a site, 441 by 275 feet, and is expected to be ready within a period of 12 weeks. It will be equipped with loading docks and will be served by a spur track of the Southern Railway. With the present plant, of which the new one will be a duplicate, the company will employ 4500 workmen in the production of woodwork for automobiles.

Bids Submitted on Fort Worth Store.

Fort Worth, Tex.—The following low bids have been submitted by Fort Worth contractors for a store building to be erected here by the Tiller Estate and leased to Sanger Brothers, Inc.:

General contract—Wohfeld & Witt, \$269,000.
Plumbing and heating—S. P. Osborn, \$42,000.
Electrical work—Electric Construction Company, \$21,452.
Sprinkler—Texas Automatic Sprinkler Company, \$6,720.

The building will be 5 stories and basement, of brick, stone steel and reinforced concrete construction. Wyatt C. Hedrick, Inc., Fort Worth, is the architect.

To Encourage Development of Southern Airways.

Sarasota, Fla.—The Southern Airways Association was recently organized here to foster and develop airways by encouraging the building of a system of landing fields and facilities for air navigation throughout the South.

Frank Redd, attorney and formerly actively interested in good roads movements, elected chairman of the association, pointed out that the larger cities are now establishing landing fields but it is necessary for the territory to be dotted with

adequate stations, beacon lights, radio communication and other essentials to make the business of establishing air lines attractive.

The association proposes to investigate and suggest proper legislation for State enactment that will assure those using the air service every means of safety.

Officers elected at the organization meeting were Frank Redd, chairman; W. H. Whipple, secretary, and Col. J. B. Lindsay, M. L. Townsend, Louis Lancaster, L. D. Reagan, B. O. Ellis, Frank Redd, Jr., Judge Paul Albritton, W. H. Stephens, Richard Lindsay and Mayor E. J. Bacon, directors of the temporary organization. A meeting of representatives of the cities within the territory will be called for the organization of a permanent association.

Southern Pipe Fabricating Plant Operating.

Atlanta, Ga.—A new plant has been erected here for pipe fabricating by the Seeley-Peteet Pipe Fabricating Company. The engineering and manufacturing personnel is composed of engineers and mechanics of long experience in the industry. The plant is under the direct supervision of James Cannon.

S. T. Seeley, president of the new company, is also president of The Seeley Company, Inc., Atlanta, power piping contractors. Mr. Seeley says that the intelligent use of fabricated pipe eliminates a great deal of waste through doing away with the hazard of leaking and blowing joints. Formerly it was necessary to send to the North for most of the fabricated pipe, often resulting in expensive delays. Realizing the need of the South for additional pipe fabricating facilities to eliminate this waste in time and extra handling charge, S. T. Seeley, J. W. L. Benson, chief engineer of The Seeley Company, Inc., and D. R. Peteet, formerly assistant treasurer of the J. M. High Company, formed the new company.

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Admitting that fire is possible, even if not probable, everyone carries insurance. Admitting that the ultimate using up of property is inevitable, nearly everyone accumulates a reserve for replacement. In both instances, American Appraisals determine the amount to be protected through insurance or by reserves for replacement.

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Baltimore	Cleveland	Los Angeles	Philadelphia	Syracuse
Boston	Dallas	Milwaukee	Pittsburgh	Washington
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We will sell; or lease on extremely liberal terms the following buildings of a manufacturing plant in Columbia, Pa.

BUILDINGS

- 1 Steel building, 90x300, with 10 ton crane full width and length, 18 ft. under hook, galvanized iron siding, wood sash, monitor roof.
- 1 Brick building adjoining, 45x300, with 5 ton crane full width and length, 14 ft. under hook.
- 1 Brick machine and forge shop, 70x140, two stories.
- 1 Brick office and storehouse, 25x70, two stories.

POWER

- 1 Brick power house, equipped for buying current for power, low rates.

This property was formerly used for manufacturing iron and steel pipe. It offers an amazing opportunity to buy storage space cheap, to establish a factory branch, or to resume manufacturing.

It has ample railroad sidings, and a wealth of open storage space. Labor conditions are favorable. Taxes are low, and might be absorbed for short period. Space of about 15 acres is available, less if desired.

This is a once-in-a-lifetime bargain for a shrewd buyer.

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Georgia Power Company Offers \$15,000,000 Bonds.

Atlanta, Ga.—The Georgia Power Company, supplying electric light and power in northern and central Georgia, including the cities of Atlanta, Rome and Athens, is offering through Drexel & Company, Bonbright & Company, Inc., and Harris, Forbes & Company, all of New York, a \$15,000,000 issue of first and refunding 5 per cent gold bonds due in 1967. Funds will be used to reimburse the company for expenditures for additions and improvements made and to be made to its properties and for other corporate purposes. The company is controlled through stock ownership by the Southeastern Power and Light Company, New York, which also controls the Alabama Power Company, Mississippi Power Company, Gulf Power Company and the South Carolina Power Company.

Houston Banks in Merger.

Houston, Tex.—The Marine Banking and Trust Company and the Labor Bank and Trust Company have agreed upon terms of merger, by which the former gains control of the latter. The name of the former will be retained and its capital stock will stand at \$300,000, with a surplus of \$200,000. Its officers include Will F. Miller, president; Albert W. Wilkerson, active vice-president; H. H. Gieske and Stuart A. Giraud, vice-presidents; P. C. Rehrauer, cashier; B. C. Bukowski, trust officer and assistant cashier, and Irwin H. Blume, assistant cashier.

Awarded Contract for 21-Mile Railroad Line.

The Cincinnati, New Orleans and Texas Pacific Railway Company, a branch of the Southern Railway System, has awarded contract to the Bates and Rogers Construction Company, Chicago and Cleveland, for double tracking the line between Lexington and Danville, Kentucky. The work will consist of 21 miles of grade reduction and a change in the line from Lexington to High Bridge, involving chiefly rock excavation and fill, together with masonry and other structures. Sub-contractors and others interested may communicate with the contractors at their Lexington office.

St. Joseph May Vote on \$2,500,000 School Bonds.

St. Joseph, Mo.—At a recent meeting of the general advisory council of the school board, a resolution was adopted requesting the board to call an election not later than October 9 on a bond issue not exceeding \$2,500,000 for constructing school buildings. A bond committee composed of Fairleigh Enright, George Porter, Milton Tootle, III, and Lester Binswanger will report to the board at its next regular meeting the amount of bonds that may be voted safely. Leo V. Anderson is general chairman of the advisory council.

\$65,000 Citrus Fruit Packing Plant in Texas.

The Texas Citrus Fruit Growers Exchange, Mission, Tex., awarded contract to Walter F. Chambers, San Benito, Tex., for constructing a packing plant at San Benito, estimated to cost \$65,000, including site. The plant will be 121 by 90 feet, of tile and stucco construction, and will be equipped with machinery furnished by Stebler-Parker Co., Riverside, Cal. It will have a daily capacity of six cars.

Texarkana Sells \$317,000 Bonds.

Texarkana, Ark.—The City of Texarkana has sold \$317,000 of bonds to the Texarkana National Bank on a bid of 98.17. The total amount includes \$300,000 for a new municipal building, \$10,000 for fire department and \$7000 for street cleaning equipment.

Completing Modern Sewage Disposal Plant at Durham.

In order to serve adequately a growing population, Durham, N. C., is replacing its sewage disposal plant on Third Fork Creek with a new and modern plant designed to serve a population of 10,000. The new plant, to cost approximately \$190,000, is expected to be ready for service in October. It will consist of three coarse screens, grit chamber, settling basins, trickling filters, dosing tanks, sludge beds, sludge and sewer pumps and incinerator. The coarse screens, mechanically raked, are of the self-cleaning type and were furnished by the Dorr Co., Atlanta. Screenings will be burned in an incinerator furnished by the Morse-Boulger Destructor Co., New York. Three grit chambers equipped with Josam floor drains and a traveling jib crane were supplied by the Chisolm-Moore Manufacturing Co., Cleveland, Ohio.

Settled solids are mechanically raked to hoppers from the settling basins, which were supplied by the Link-Belt Co., Philadelphia, the settlings being forced to a sludge well by hydrostatic pressure. Sewage is pumped to the dosing tanks by pumps furnished by the American Well Works, Aurora, Ill., and sludge is pumped to digesters by diaphragm pumps supplied by the Dorr Company. Dosing tanks equipped with siphons and sprinkling nozzles supplied by the Pacific Flush Tank Company, Chicago, automatically dose clarified sewage on stone filters. The sprinkling or trickling filters cover an acre of land, are paved throughout with reinforced concrete and are underlaid with approximately 40,000 lineal feet of 6-inch split drain tile furnished by the Pomona Terra Cotta Company, Pomona, N. C. About seven feet of crushed stone, or 12,000 cubic yards, from the city quarry, will be placed over the tile.

Sludge beds cover 10,000 square feet and are equipped with two traveling cranes for collecting sludge, while the sludge digester has been so arranged that gas may be collected and used for heating the tanks. Water for the contractor and for the operation of the plant is supplied under pressure by a pump and tank furnished by the Duro Company, Dayton, Ohio. Hydrants will be installed near all principal structures, so that water may be available under pressure for washing and cleaning them.

Preston P. Phillips, Durham, is the designing engineer and the Gilbert C. White Company, Durham and Charlotte, consulting engineers. The McClelland Company, Charlotte, is the contractor.

Contracts Let for 107-Mile Gas Line.

The Arkansas Natural Gas Corporation, Shreveport, La., George T. Koch, chief engineer, has awarded the following contracts for the construction of a gas pipeline from Clarksville to Little Rock, Ark., 107 miles:

General construction—Booth & Flinn, Ltd., Pittsburgh, Pa.
Bitumastic enamel—The Walles-Dove-Hermiston Corporation, New York.
Biturine enamel—The Hill Hubble Company, San Francisco, Cal.
Pipe—Spang-Chalfant & Co., Pittsburgh.
Valves—Merco Nordstrom Valve Company, San Francisco.
Welding supplies—The Blain Bealrd Company, Inc., Shreveport.

The pipe to be used will be 10 $\frac{3}{4}$ -inch, 33-pound, O. D. seamless, while the valves will be of the flanged, lubricated plug type. Protective pipe coating will consist of Bitumastic enamel for half the line and Biturine enamel for the other half. The entire line will be acetylene-welded.

Expansion of Alabama's Oolitic Limestone Industry.

Alabama oolitic limestone was used in a small way as early as 1837, for monumental purposes. Upwards of 75 years ago it was used in small quantities for building purposes, possibly never advertised or worked to any extent until about 50 years ago, when a stone man by the name of Fossick opened up a ledge and carried on a local, extensive business for that time. Early in 1900 Foster & Creighton took over the property and began to use it more extensively in the South, but still in a small way.

Last year the Rockwood Alabama Stone Company of Russellville, Ala., purchased the holdings of the Foster & Creighton Company and installed equipment and mill allowing for a much larger production than heretofore, and today some of the largest buildings in Alabama, Mississippi, Georgia and North Carolina are being fabricated from this stone.

Rockwood Alabama stone is now being shipped into Canada, is already becoming a part of a large building which is being erected in Toronto and shipments will soon go forward for a large building in Montreal. It is being used in several large buildings in New York and orders have been placed for its use on buildings in Chicago, Washington, and other cities in the North and West. Because of the architect's appreciation of this stone with its texture, color and markings and its value for both exterior and interior finish, the Rockwood Alabama Stone Company reports that there will be a necessity for large expansion to take care of orders now in sight.



PROPOSALS

BOND ISSUES

BUILDINGS

PAVING

GOOD ROADS



Bids close October 15, 1928.

TREASURY DEPARTMENT, office of the Supervising Architect, Washington, D. C., September 10, 1928.—**SEALED BIDS** will be opened in this office at 3 P. M. October 15, 1928, for the construction (except mechanical equipment, elevators, dumb-waiter and lift) of an eight-story and basement fireproof extension of approximately 2,700,000 cu. ft. contents to the Government Printing Office, Washington, D. C. Drawings and specifications, not exceeding six sets, may be obtained at this office, in the discretion of the Supervising Architect, by any satisfactory general contractor, provided a deposit is made of \$25 for each set to assure its prompt return. Checks offered as deposits must be made payable to the order of the Treasurer of the United States. JAS. A. WETMORE, Acting Supervising Architect.

RATE: 35 cents per line per insertion.
PUBLICATION DAY: Thursday.

FORMS CLOSE: 4 P. M. Monday.

DAY LETTER: When too late to send Copy by mail to reach us by 4 P. M. Monday, forward by day letter.

THE DAILY BULLETIN OF THE MANUFACTURERS RECORD:

Published every business day; gives information about the industrial, commercial and financial activities of the South and Southwest.

The Daily Bulletin can be used to advantage when copy cannot reach us in time for publication in the Manufacturers Record before bids are to be opened, or when daily publications are necessary to meet legal requirements.

The same rate applies—35 cents per line per insertion.

Bids close October 5, 1928.

TREASURY DEPARTMENT, office of the Supervising Architect, Washington, D. C., September 6, 1928.—**SEALED BIDS** will be opened in this office at 3 P. M. October 5, 1928, for extension and remodeling the United States Postoffice at Elizabeth, N. J. Drawings and specifications, not exceeding six sets, may be obtained at this office, in the discretion of the Supervising Architect, by any satisfactory general contractor, provided a deposit is made of \$25 for each set to assure its prompt return. Checks offered as deposits must be made payable to the order of the Treasurer of the United States. JAS. A. WETMORE, Acting Supervising Architect.

Bids close September 24, 1928.

TREASURY DEPARTMENT, office of the Supervising Architect, Washington, D. C., September 5, 1928.—**SEALED PROPOSALS** will be opened in this office at 3 P. M. September 24, 1928, for furnishing all labor and materials necessary for furnishing and installation of one freight elevator in the U. S. Postoffice at East Orange, N. J. Drawings and specifications may be obtained from this office, in the discretion of the Supervising Architect. JAS. A. WETMORE, Acting Supervising Architect.

Bids close September 28, 1928.

TREASURY DEPARTMENT, office of the Supervising Architect, Washington, D. C., September 7, 1928.—**SEALED BIDS** will be opened in this office at 2 P. M. September 28, 1928, for extension to lookout system in the U. S. Postoffice and Courthouse at Birmingham, Ala. Drawings and specifications may be obtained from the custodian of the building or at this office, in the discretion of the Supervising Architect. JAS. A. WETMORE, Acting Supervising Architect.

Bids close October 9, 1928.

TREASURY DEPARTMENT, office of the Supervising Architect, Washington, D. C., September 4, 1928.—**SEALED BIDS** will be opened in this office at 3 P. M. October 9, 1928, for the construction of an extension to the U. S. Sub Postoffice at Memphis, Tenn. Drawings and specifications, not exceeding six sets, may be obtained at this office, in the discretion of the Supervising Architect, by any satisfactory general contractor, provided a deposit is made of \$15 for each set to assure its prompt return. Checks offered as deposits must be made payable to the order of the Treasurer of the United States. JAS. A. WETMORE, Acting Supervising Architect.

Bids close October 8, 1928.

Office of Constructing Quartermaster, Fort Bragg, N. C. Sealed proposals in triplicate will be received until 10 A. M. October 8, 1928, and then opened, for the construction and completion of approximately 4650 sq. yds. concrete street pavement, 1650 sq. yds. gravel road, 4500 lin. ft. combination curb and gutter, 1500 sq. yds. concrete sidewalks, 1400 lin. ft. 8-inch and 6-inch T.C. drain tile, together with excavation, grading, drainage, etc., at Fort Bragg, N. C. \$25 certified check, payable to Treasurer of United States, required as deposit for drawings, etc. Further information on request.

Bids close October 16, 1928.

SEALED BIDS, in triplicate, subject to the conditions contained herein, will be received until 11 A. M. October 16, 1928, and then publicly opened, for furnishing all labor and materials and performing all work for Infirmary Building, including roads, walks and drainage at U. S. Veterans' Hospital, Walla Walla, Washington. This work will include excavating, reinforced concrete construction, hollow tile, brick work, cast stone, marble work, floor and wall tile, linoleum, rubber tile, iron work, steel sash, iron stairs, with slate treads; fire escapes, slate and built-up roofing, roof ventilators, metal lathing, plastering, carpentry, dumbwaiter, metal weatherstrips, insect screens, painting, glazing, hardware, plumbing, heating, electrical work, electric elevator and outside sewer, water, steam and electric distribution systems. Separate bids will be received for electric elevator. Bids will be considered only from individuals, firms or corporations possessing satisfactory financial and technical ability, equipment and organization to insure speedy completion of the contract, and in making awards the records of bidders for expedition and satisfactory performance on contracts of similar character and magnitude will be carefully considered. At the discretion of the Director, drawings and specifications may be obtained upon application to the Construction Division, Room 764 Arlington Building, Washington, D. C. Deposit with application of a check or postal money order for \$20, payable to the TREASURER OF THE UNITED STATES, is required as security for safe return of drawings and specifications within ten days after date of opening bids. FRANK T. HINES, Director. September 8, 1928.

Bids close October 15, 1928.

TREASURY DEPARTMENT, office of the Supervising Architect, Washington, D. C., September 10, 1928.—**SEALED BIDS** in duplicate will be received until 3 P. M. October 15, 1928, for the mechanical equipment (except elevators) for an extension to the Government Printing Office, Washington, D. C. Proposals will be considered only from contractors who, in the opinion of the Secretary of the Treasury, have the requisite engineering skill, experience and organization to perform the work successfully. Drawings and specifications may be obtained at this office, in the discretion of the Supervising Architect, by any satisfactory mechanical equipment contractor, provided that intending bidders supply full information regarding their engineering skill, experience and organization in applying for the drawings and specifications, which will be supplied only to those showing the requisite qualifications. The fact that any bidder obtains a set of drawings and specifications from any other source and submits a bid shall not constitute a waiver of the foregoing stipulation. JAS. A. WETMORE, Acting Supervising Architect.

Bids close September 25, 1928.

Bridge

DEPARTMENT OF PUBLIC WORKS STATE OF MARYLAND STATE ROADS COMMISSION

NOTICE TO CONTRACTORS

Baltimore, Md.

SEALED PROPOSALS for building a bridge as follows:

Prince George's County, Cont. P-58—Reinforced concrete viaduct of 16 spans, each span approximately 40 feet and 1 span of steel and concrete construction, with a span of approximately 90 feet, over the tracks and adjacent to same of the Baltimore and Ohio Railroad Company at Hyattsville on the Baltimore-Washington Boulevard.

will be received by the State Roads Commission at its offices, 601 Garrett Building, Baltimore, Maryland, until 12 M. on the 25th day of September, 1928, at which time and place they will be publicly opened and read.

Bids must be made upon the blank proposal form, which, with specifications and plans, will be furnished by the Commission upon application and cash payment of \$1.00, as hereafter no charges will be permitted.

No bids will be received unless accompanied by a certified check for the sum of Five Hundred (\$500) Dollars, payable to the State Roads Commission.

The successful bidder will be required to give bond and comply with the Acts of the General Assembly of Maryland respecting contracts.

The Commission reserves the right to reject any and all bids.

BY ORDER of the State Roads Commission this 8th day of September, 1928.

JOHN N. MACKALL, Chairman.
L. H. STEUART, Secretary.

Bids close September 25, 1928.

Highway Construction

DEPARTMENT OF PUBLIC WORKS STATE OF MARYLAND STATE ROADS COMMISSION

NOTICE TO CONTRACTORS

Baltimore, Md.

SEALED PROPOSALS for building five sections of State Highway as follows:

Prince George's County, Cont. P-81—One section of State Highway along Rhode Island Avenue from the Baltimore-Washington Blvd. at Hyattsville to the District of Columbia Line, a distance of 1.69 miles. (Concrete.)

Prince George's County, Cont. P-85—One section of State Highway from Brandywine toward Horsehead, a distance of 3.0 miles. (Gravel.)

Cecil County, Cont. Ce-70—One section of State Highway from Main Street, Port Deposit, to the beginning of Cont. Ce-55, a distance of 0.3 mile. (Concrete.)

Cecil County, Cont. Ce-71—One section of State Highway from the Post Road at Perryville along the old Port Deposit River Road, a distance of 0.35 mile. (Macadam.)

Worcester County, Cont. Wo-61—One sec-

tion of State Highway from end of Cont. Wo-52 to Public Landing, a distance of 1.06 miles. (Concrete.)

will be received by the State Roads Commission at its offices, 601 Garrett Building, Baltimore, Maryland, until 12 M. on the 25th day of September, 1928, at which time and place they will be publicly opened and read.

Bids must be made upon the blank proposal form, which, with specifications and plans, will be furnished by the Commission upon application and cash payment of \$1.00, as hereafter no charges will be permitted.

No bids will be received unless accompanied by a certified check for the sum of Five Hundred (\$500) Dollars, payable to the State Roads Commission.

The successful bidder will be required to give bond and comply with the Acts of the General Assembly of Maryland respecting contracts.

The Commission reserves the right to reject any and all bids.

BY ORDER of the State Roads Commission this 8th day of September, 1928.

JOHN N. MACKALL, Chairman.
L. H. STEUART, Secretary.

Bids close September 20, 1928.

Street Paving

Liberty, S. C.

The Town of Liberty, S. C., will receive bids for paving certain streets, at the Town's office, at 2 o'clock P. M. September 20, 1928.

The work will consist of approximately 2400 lin. ft. of concrete curb and gutter, 5000 sq. yds. concrete pavement, 2600 sq. yds. concrete sidewalk, Necessary storm drainage.

Only bids on concrete pavement will be considered.

Cashier's check for Two Thousand (\$2000) Dollars will be required as bidder's guarantee.

The Town reserves the right to reject any and all bids.

HARRY M. CHAPMAN, Mayor.
W. B. GLENN, City Clerk.

THE HARWOOD BEEBE COMPANY,
Engineers,
Spartanburg, S. C.

Bids close September 18, 1928.

Water-Works System

Sulphur, La.

SEALED PROPOSALS will be received by the Town Council at the Town Hall, Sulphur, La., until 11 A. M. September 18, 1928, for construction of a water-works system. Said proposals will be opened and read publicly at the Town Council meeting on above date and hour.

The approximate quantities of materials and equipment required are as follows:

13,280	Lin. ft. 6-inch to 10-inch cast-iron pipe.
20,230	Lin. ft. 2-inch cast-iron or galvanized pipe.
36	2-inch to 10-inch gate valves and boxes.
7.5	Tons cast-iron fittings.
41	Standard fire hydrants.
1	50,000-gallon elevated steel tank.
1	100,000-gallon concrete reservoir.
1	Brick pump house.
1	Deep well.
2	500 GPM centrifugal fire pumps.
1	200 GPM centrifugal service pump.

All bids must be made on the official proposal form.

Plans and specifications are on file and may be examined at the office of the Mayor at the Town Hall, Sulphur, La., or at the office of L. J. Voorhies, Consulting Engineer, City Hall, Baton Rouge, La. Plans and specifications may be obtained from the Engineer upon deposit of \$10 for specifications and \$5 for plans, half of which deposit will be refunded, provided specifications and plans are returned in good condition within ten days after contracts are awarded.

A certified check in the sum of five (5%) per cent of the amount bid, made payable to the Town of Sulphur, La., must accompany each proposal as a guarantee of good faith.

The right is reserved to reject any or all bids.

DR. A. H. LAFARGUE, Mayor,
Sulphur, La.
L. J. VOORHIES,
Consulting Engineer,
City Hall, Baton Rouge, La.

Bids close September 17, 1928.

Street Improvements

Ahoskie, N. C.

Sealed bids will be received by the Mayor and City Council of Ahoskie, N. C., at the office of City Manager until 8 P. M. September 17, 1928, at that time publicly opened, for street improvements of the following approximate quantities:

6-inch concrete pavement.....7240 sq. yds.
Concrete base, bitulithic top...7240 sq. yds.
(Alternate)
Concrete curb and gutter.....4180 lin. ft.
Storm sewers1180 lin. ft.
Common excavation2100 cu. yds.
Concrete sidewalks600 sq. yds.

Proposals and specifications may be obtained from the City Manager or from the Engineer upon deposit of \$5.

Each bid to be accompanied by certified check for 3% of the total bid. The right is reserved to reject any or all bids.

ALVAH EARLY, Mayor.

R. C. WHITEHURST,

City Manager.

R. E. WHITE, Engineer,
Aulander, N. C.

Bids close September 25, 1928.

**Roads, Water Works and
Sewer System**

Jackson, Miss.

Sealed Proposals, addressed to W. C. Trotter, Secretary, The Building Commission, Jackson, Mississippi, will be received until Tuesday, September 25, 1928, at 2 P. M., at the State Capitol Building, Jackson, Mississippi, for the construction of Roads, Water Works and Sewer System for Mississippi School and Colony for Feeble Minded, Ellisville, Mississippi.

Plans and Specifications and Blank Forms of Proposal can be obtained from the Architect, C. H. Lindsley, 11th floor Lamar Life Building, Jackson, Mississippi, upon receipt of Twenty (\$20) Dollars each for Roads, Water Works or Sewer System to guarantee safe return of plans.

Plans and Specifications are on file at the office of the Secretary, The Building Commission, Capitol Building, Jackson, Mississippi.

Bids must be accompanied by certified check or cash amounting to 5% of the amount of the bid as evidence of good faith.

All checks shall be made payable without qualifications to the Building Commission. The right to reject any or all bids is reserved.

THE BUILDING COMMISSION.

By W. C. TROTTER, Secretary.
C. H. LINDSLEY,
Architect
Jackson, Miss.

Bids close October 2, 1928.

Virginia Highway Work

Richmond, Va.

The Commission will receive bids on:
Project 106 at Franklin, sidewalk to bridge over Blackwater River, structural steel 6500 lbs., 3109 FBM lumber.

Project 556, Russell and Buchanan Counties, furnishing and spreading 3150 cu. yds. Crushed Stone and furnishing and stock piling 600 cu. yds. limestone chips, 300 cu. yds. dust.

Bids close October 1, 1928.

Water Mains and Appurtenances

Towson, Md., Aug. 29, 1928.

Sealed Proposals, addressed to the County Commissioners of Baltimore County and endorsed bids for laying of water mains and appurtenances thereto, in MILFORD, LIBERTY HEIGHTS AVENUE AND HAMILTON AVENUE, will be received at their office in the Courthouse, Towson, Maryland, until 11 A. M., Eastern Standard time, on October 1, next, when they will be publicly opened and read.

APPROXIMATE QUANTITIES OF**CONTRACT 20-W****EXCAVATION AND REFILL**

5300 Lin. Ft. Earth excavation and refill for 6-inch pipe.

2650 Lin. Ft. Earth excavation and refill for 8-inch pipe.

8500 Lin. Ft. Earth excavation and refill for 12-inch pipe.

600 Cu. Yds. Class "A" Rock excavation and earth refill.

500 Cu. Yds. Class "B" Rock excavation and earth refill.

400 Cu. Yds. Class "C" Rock excavation and earth refill.

10 Cu. Yds. Miscellaneous and Test pit earth excavation and refill.

Miscellaneous items, including cinder, cold patch and concrete repaving.

APPROXIMATE QUANTITIES OF**CONTRACT 21-W****PIPE LAYING**

5300 Lin. Ft. laying 6-inch pipe, valves and fittings, lead joints.

2700 Lin. Ft. laying 8-inch pipe, valves and fittings, lead joints.

9800 Lin. Ft. laying 12-inch pipe, valves and fittings, lead joints.

Alternate bid, leadite joints.

Alternate bid, leadite joints.

12 Placing Fire Hydrants.

Miscellaneous items.

Each bid excavating and laying must be separately totaled and each accompanied by a certified check for Two Thousand (\$2000) Dollars, payable to the County Commissioners, as a guarantee that the successful bidder will sign the contract.

A bond for an amount equal to the amount of the bid of a Surety Company satisfactory to the Commissioners will be required of the successful bidder.

A copy of the Specifications, Plans and

Drawings will be furnished prospective bidder on receipt of a certified check for Twenty-five (\$25) Dollars, refund of which will only be made upon receipt of a bona fide bid and return of the specifications and drawings to the office of the Chief Engineer of the Baltimore County Metropolitan District, within ten (10) days after opening of the bids and award of the contract. No specifications or drawings will be issued after Thursday, September 27, 1928. Specifications and drawings can be seen at the office of the Chief Engineer of the Baltimore County Metropolitan District, Towson, Maryland, after September 13, 1928.

Consideration will be given bidder's experience (must be stated in or attached to the bid), financial standing and reputation for having done successful work of the kind specified without controversy or litigation, and the Commissioners reserve the right to reject any or all proposals or bids, or parts of bids, or to accept any bid or parts of bids, or to separate bids for the excavation and refill from laying of the pipe and settings hydrants or to waive technicalities, as they may deem best for the interest of the county.

By order of the Board.

JOHN R. HAUT,

Chief Clerk.

A. E. WALDEN,
Chief Engineer.

Bids close September 25, 1928.

School Buildings

Jackson, Miss.

Sealed Proposals, addressed to W. C. Trotter, Secretary, The Building Commission, Jackson, Mississippi, will be received until Tuesday, September 25, 1928, at 2 P. M., at the State Capitol Building, Jackson, Mississippi, for the Construction, Plumbing, Heating and Wiring on the Administration Building, the Science Building, the Girls' Dormitory and three (3) Teachers' Cottages, all at the Alcorn A. & M. College, Alcorn, Mississippi.

Plans and Specifications and Blank Forms of Proposal can be obtained from the Architect, C. H. Lindsley, 11th floor Lamar Life Building, Jackson, Mississippi, upon receipt of (\$50) Fifty Dollars for Building Set and Thirty (\$30) Dollars each for Plumbing, Heating and Wiring to guarantee safe return of plans.

Plans and Specifications are on file at the office of the Secretary, The Building Commission, Capitol Building, Jackson, Mississippi.

Bids must be accompanied by certified check or cash amounting to 5% of the amount of the bid as evidence of good faith.

All checks must be made payable without qualifications to the Building Commission. The right to reject any or all bids is reserved.

THE BUILDING COMMISSION.

By W. C. TROTTER, Secretary.
C. H. LINDSLEY,
Architect
Jackson, Miss.

CLASSIFIED OPPORTUNITIES

**MINERAL AND TIMBER LANDS, WATER
POWER, MISCELLANEOUS PROPERTIES****WATER POWER SITE**

Best in South; 20,000 HP. for manufacture of cotton, cement, metals. Write OWNER,

Box 33, West Cummington, Mass.

OKLAHOMA LAND.

18,000 acres, all in a body, in Pushmataha County, in Southeastern Oklahoma. Owners reserve all timber rights; last cut of merchantable timber 7 years ago, and owners agree not to make another cut for 50 years. Good for cattle or sheep ranch; unexcelled for fish and game preserve; mountain streams and living springs; zinc, lead, coal and oil prospects are worth far and away more than three times the price asked for land. For price, terms and other particulars address THE PHOENIX OF ARKANSAS, 1183 Broad Street, Newark, New Jersey.

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Rate 30 cents per line per insertion. Minimum space accepted, four lines. In estimating the cost allow seven words of ordinary length to a line. When the advertisement contains a number of long words proper allowance should be made. Terms: Invariably cash with order; check, postoffice or express order or stamps accepted. No display type used. Questionable or undesirable advertisements will not be accepted. The assistance of our readers in excluding undesirable advertisements is requested. We reserve the right to refuse any advertisement. No patent medicine, oil or mining stock advertisement accepted. Rate for special contracts covering space used as desired within one year as follows: 100 lines, 25c per line; 300 lines, 26c per line; 500 lines or more, 25c per line.

**MINERAL AND TIMBER LANDS, WATER
POWER, MISCELLANEOUS PROPERTIES****WATER-POWER SITE**

at High Falls, on Little River, Oconee Co., South Carolina, 12 miles from Seneca Station, Southern Railway. Two falls, 5 and 29½ feet each; natural rock dam. Estimated full development 900 horsepower; average 600; 230 acres in tract. No incubance. GEO. M. COFFIN, Putnam, Conn.

FOR SALE—Mineral Properties, also Leases and Options on Cassiterite, Clays, Cyanite, Sillimanite, Gold, Iron, Manganese, Mica, Mica Schist, Soapstone, Talc, Zirconium and other deposits of industrial and rare minerals. Description and terms given on request. If interested address P. O. Box 37, Holly Springs, Ga.

MINERAL AND TIMBER LANDS, WATER POWER, MISCELLANEOUS PROPERTIES

GRANITE QUARRY

FOR SALE OR LEASE—Granite quarry near Atlanta in the Lithonia-Stone Mountain zone. Address "OWNER," 1521 Peachtree St. N. E., Atlanta, Ga.

COAL LANDS AND MINES

INVESTIGATE THIS OPPORTUNITY

10,000 acres of coal land in fee in Tenn., near the Kentucky line. Three good seams of coal, 40 to 48 inches thick; the celebrated Jelico coal. One mile of the L. & N. R. R. and two and half miles of the Southern. All in one block. For complete report and price address

S. T. RANDLE,
142 N. Upper St., Lexington, Ky.

COAL AND TIMBER LAND

FOR SALE—1221 ACRES COAL

and timber land, located on Tennessee Central Railroad within 92 miles of Knoxville, Tenn.; good drift mining proposition; has heavy mining engine, ventilating fan, coal tipples, 30 mining cars, office equipment, large commissary, good dwelling house, 8 miners' houses, hotel, Western Union Telegraph station, railroad ticket office. Price \$25 acre; terms, \$5000 cash, balance 7 years. B. H. Sprinkle, 426 Union Ave., Knoxville, Tenn.

TIMBER AND TIMBER LAND

FIVE THOUSAND ACRES land bordering on railroad. Good growth young timber. Fine hunting preserve. Price \$8 per acre. BOX 106, GREELEYVILLE, S. C.

FOR SALE—70 acres cut-over pine land in city limits of Avon Park, Highlands County; \$30 per acre on terms. Subject to all cash offer. W. E. DIETZ, 247 First Ave. North, St. Petersburg, Florida.

VIRGIN LONG-LEAF PINE TIMBER; 15,445,000 feet in one block forty miles northwest of Port of Palm Beach near Seaboard Air Line R. R. Five years time to remove timber. Price \$75,000; one-third cash, balance in one and two years, with 6% interest. Address HERMAN J. KUPPERS, Box 1385, Vero Beach, Florida.

FARM AND TIMBER LAND

FOR SALE—Most attractive investment in the State; 5700 acres in fee, about 5000 acres in virgin and second growth timber; balance in grass and under cultivation. On improved road four miles from White Sulphur Springs, America's great health resort and playground, and only an overnight ride from New York City, Baltimore, Washington and other large Northern cities. Why invest where property and human life is in constant danger of destruction by cyclones, tornadoes and floods. Will make price and terms bring quick sale. W. E. AVERILL, White Sulphur Springs, W. Va.

FARM, FRUIT AND TRUCK LANDS

FLORIDA

FLORIDA—Richest farms, gardens, dairying and ranches. Soil 2 to 15 ft. Farm the year 'round. Write for free list. BEACH & SON, Moore Haven, Fla.

LAKE COUNTY—100 acres bordering lake; 35 acres in bearing grove; 2196 trees; in perfect condition; crop included; choice location. Special price \$23,000. P. B. RUGGLES, Groveland, Fla.

PLAYGROUND OF THE RICH; Paradise of the Poor. Good road right from your gate all the way down. "Everybody" else is coming down this season; come and be one of us. Send today for booklet and list of Homes, Groves, Farms and Investments. Tampa-West Coast Realty Co., Opp. P. O. "Since Before the War," Tampa, Florida.

GEORGIA

500 ACRES good quality farm, truck or dairy land 17 miles Atlanta, 3 miles Lithonia, including some good saw timber, tenant houses, branches; only \$40 acre. FLETCHER PEARSON, Decatur, Ga.

FARM, FRUIT AND TRUCK LANDS

GEORGIA

BARGAIN FOR HOMESSEEKER—85 acres land, partly in Conyers, Ga., 26 miles Atlanta; good 8-room dwelling in oak grove, with bath, lights, city water, sewerage, barn, tenant house, fruit, pasture; few blocks school, churches, courthouse, stores; \$8500. FLETCHER PEARSON, Decatur, Ga.

263-ACRE farm for sale; 220 acres in high state of cultivation. Two miles from Fort Valley on State Highway No. 7. Nearly all fenced and cross-fenced. Six thousand bearing peach trees. Has nine-room dwelling, hardwood floors, bath and pantry, screened; electric lights, hot and cold water, five good tenant houses, barns and all necessary outbuildings; also packing house on railroad. Peach grading machinery. Will sell all stock and farm implements and machinery. See or write me at place. M. B. LEE, Fort Valley, Ga.

NORTH CAROLINA

FOR SALE—Ten farms, with improvements (aggregating 2800 acres), suitable for tobacco, cotton, peanuts, corn and other crops. Terms to suit purchasers; 350 acres suitable for nursery or stock farm. La Fayette Life Insurance Co., Lumberton, N. C.

450-ACRE FARM, suitable for dairying, poultry, grain, cotton. Six houses, good barn, partially fenced. Five miles from Mocksville, Davie County (in the heart of North Carolina's best diversified farming section). Write Box T, Mocksville, N. C.

If interested

FOR HOME OR FOR INVESTMENT In the great and rapidly developing STATE OF NORTH CAROLINA, especially in its leading city, Charlotte, or in a Southern Cotton Mill or Southern Mill Stocks, write to

F. C. ABBOTT & CO.,
Realtors and Investment Bankers
Nearly thirty years in Charlotte.

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The man who is contemplating either living or investing in the South we are in position to serve him with the best in a modern home, good farm or factory site. No better time to invest in the South than at present. Property values are increasing. Our service is prompt, efficient and courteous. Correspondence invited. Stallings & Co., Realtors-Insurers, 514 Johnston Bldg., Charlotte, N. C.

TENNESSEE

FOR SALE—365 acres of good farming land, 17 miles south of Chattanooga, just off scenic highway, in valley. For information address W. B. Connally, Gadsden, Ala.

TENNESSEE CUT-OVER LAND

1500 acres, Cumberland Mountain Plateau land, 4 miles from good railroad town by pike road; adapted to stock raising or fruit growing; well watered and lays well. A bargain at \$7 per acre. KEITH WEBB & SON, 217 First National Bank Building, Chattanooga, Tenn.

BUSINESS OPPORTUNITIES

INVENTOR OF COIN controlled gasoline and oil vending pump wishes to form connection for its manufacture and sale. H. M. WALKER, Corrigan, Texas.

GOING MANUFACTURING CORPORATION wants two men to join; each must invest \$3000; take full charge of their part of business; each will be paid good salary. Their investment will prove highly profitable; close investigation is invited. Box 311-E, Orlando Ave., Orlando, Fla.

CAPITAL WANTED for Southern Glass plant fully equipped for manufacturing bottles or insulators. Close to high-grade silica and barium deposits. Correspondence solicited. A. Washabaugh, Charlottesville, Va.

FOUNDRY AND MACHINE Shop for sale. Fully equipped, in operation, doing good business, serving large territory. Location deserves larger plant and reorganization of capital. Roger Babson in various reports especially mentions Jackson as a fine, growing, prosperous business center. For full information write Southern Foundry & Machine Company, Jackson, Mississippi.

BUSINESS OPPORTUNITIES

EXCHANGE—Ten-Unit Semi-Fireproof Apartment House, Central Florida, built by day labor under owner's supervision, 1926. Completely furnished; latest modern appliances, including Frigidaire. Value \$50,000; unencumbered. Need paving and grading equipment. Address No. 6951, care Manufacturers Record, Baltimore, Md.

HOTEL

HOTEL LILLINGTON is a home-like place and invites the tourists stop while passing. Free garage for your cars. The best of meals and beds. Come and see. HOTEL LILLINGTON, Lillington, N. C.

INDUSTRIAL SURVEYS

ENGINEERING REPORTS on resources of cities and towns. Recommendations for industrial development made by specialists in locating industries.

TECHNICAL SERVICE COMPANY
Woolworth Building New York City

INDUSTRIES WANTED

DO YOU WANT TO LOCATE in a live city—1200 population? Five thousand unemployed women within a fifteen-minute distance. Cheap power. Good roads. Will invest and give you a site. CHAMBER OF COMMERCE, Ball Ground, Ga.

INDUSTRIAL PLANTS

WRITE FANTUS for factories anywhere. Wonderful values in buildings or equipped plants. Valuable industrial sites free of cost to established industries. For America's best buys, address Fantus Factory Locating Service, 139 North Clark Street, Chicago.

FOR SALE—Located in Central Louisiana, a completely equipped Millwork Manufacturing Plant. No local competition. Extra good territory. Address P. O. Box No. 34, Alexandria, La.

MIXED FEED MILLING PLANT Modern concrete building, fully equipped. Also adaptable as a warehouse. Railroad siding. Located within 3 blocks of local market section and Pennsylvania Avenue. W. S. HOGE, JR.,
601 C Street S. W., Washington, D. C.

FACTORY SITES

FACTORY SITES and acreage in Piedmont Section. Mill locations. HUGHES T. REYNOLDS,
304 First National Bank Building,
Rome, Georgia.

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FREE "PATENT PARTICULARS" Sterling Buck, over 21 years Registered Patent Attorney. Prompt and thorough services. Suite M, 629 F, Washington, D. C.

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PATENTS—TRADEMARKS—COPYRIGHTS Charlotte office convenient to South. PAUL B. EATON, Registered Patent Attorney, 406 Independence Building, Charlotte, N. C., and 903 Grant Place N. W., Washington, D. C.

SITUATIONS WANTED

SALESMAN

Experienced mill supply, mechanical rubber goods and machine tool salesman desires new connection. Pacific Coast territory preferred. Have wide acquaintance among lumber operators there. Address No. 6957, care of Manufacturers Record, Baltimore.

WANTED—Position as foreman, laying cast-iron distribution water mains; also submarine cast-iron pipe lines. References furnished. Address PIPE LAYER, No. 114 27th Street, Newport News, Va.

SITUATIONS WANTED

A HIGH-CLASS CARPENTER FOREMAN, capable of taking charge of work, desires to join your organization. Address No. 6958, care of Manufacturers Record, Baltimore, Maryland.

ASSISTANT CASHIER of small town bank seeks position offering greater opportunity for advancement. Six years banking experience. Best of references. Address No. 6956 care Manufacturers Record.

VALUABLE EXPERIENCE AVAILABLE. A man who has had nearly twenty years' experience teaching Cottonseed Oil Refining and Soapmaking in ten different countries would like to get a position as Refiner or Soapmaker or both. Satisfactory references. No secrets from employer. Member American Chemical Society. Address W. ATOM, 3391 Piquette Avenue, Detroit, Mich., U. S. A.

AGRICULTURAL MANAGER—I wish to make connection with an individual or corporation interested in the development and practical operation of agricultural lands. Have 15 years' wide practical experience as an executive in agricultural work in both Northern and Southern States. Especially experienced in tenant share farming and development of special markets. Graduated from Purdue University and am able to furnish the highest references as to both my character and ability. Address No. 6952, care of Manufacturers Record, Baltimore.

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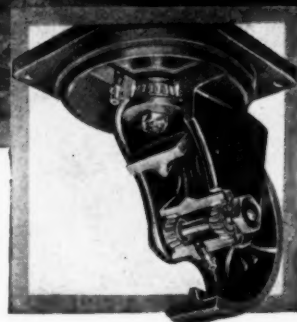
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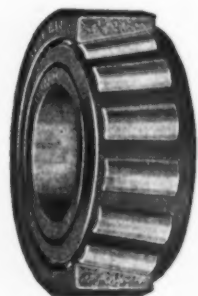
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